

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

62-
Hill H. Tracy, Sr.

Annual Seed Catalogue

1910

GUTHRIE-
LORENZ
COMPANY

DES MOINES
IOWA.

To OUR CUSTOMERS *and* FRIENDS

We take pleasure in presenting our Third Annual Catalogue and want to thank all our customers who have dealt with us in the past and ask your continued support.

It is very gratifying to us to know that seeds and other goods sent out by us have given the best of satisfaction.

Our aim will always be to supply our customers with the very best seeds and supplies obtainable. We know the best will be none too good for our patrons.

To those who receive our catalogue for the first time, we ask that you look through it carefully, and favor us with at least a portion of your order, as we want to convince you of the superiority of our seeds.

Our seeds and bulbs are produced by the best growers in this country and Europe. We spare no trouble and expense in getting the best that can be obtained.

Our invariable rule will be to strive to supply the highest quality of everything we handle.

GUTHRIE-LORENZ COMPANY,

Seventh and Grand Ave., Des Moines, Iowa.

Oliver Lorenz, President.

K. H. Guthrie, V.-Pres. and Mgr.

Miss L. E. McMillen, Sec. and Treas.

IMPORTANT SUGGESTIONS

By carefully following the suggestions given below, mistakes and misunderstandings will be largely avoided.

Use our order blank and return envelope when possible. We will supply extra order blanks, envelopes and catalogues when requested.

ORDER EARLY.—It is quite important that you make out your order and send it in early, especially when goods are to go by freight. One other advantage in ordering early, the seedsmen sometimes sell out entirely of some varieties before the season is over. It is impossible to anticipate the exact quantity of seeds needed of the many varieties we handle.

SHIPPING DIRECTIONS.—Always state how goods are to be sent and avoid delays. If goods are to be sent by freight or express to a prepay station, be sure to send the necessary amount to prepay the charges.

GOODS PREPAID.—We send goods prepaid when so stated in our catalogue. Nearly all seeds in packets, ounces, one-fourth pounds and pounds are included.

HOW TO REMIT.—Remittances should be made by Post Office or Express Money Order, Bank Draft or Registered Letter. Postage stamps will be accepted in small amounts.

GUARANTEE.—We exercise great care in having all our seeds pure and true to name, yet we give no warranty express or implied as to description, quality, vitality or productiveness, and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are to be returned at once.

INQUIRIES.—If you want to learn anything further regarding what we have to offer, do not hesitate to write us. Should you want to purchase anything in plants, shrubs or bulbs not listed, make a list of your wants and submit to us for quotations. We are sure our stock and prices are right.

RUSH ORDERS.—Should you be in a great hurry for your seeds, and want them sent by express, please so state in your order.



CHOICE

VEGETABLE SEEDS

We exercise the greatest care possible in the selection of our seeds, and believe they are the purest and best that can be had. Our packages are large and well filled. We want every customer to receive full value for the money sent us.

NOTE.—Packets, $\frac{1}{2}$ pints, pints and quarts of beans, sweet corn and peas, are sent prepaid at catalog prices.

Davis White Wax.—Large, early, productive and a clear waxy white. One of the best for string beans when picked young. The dry bean is excellent for baking. Pkt., 5c; $\frac{1}{2}$ pt., 15c; qt., 45c; pk., \$1.75.

Currie's Rust-proof Wax.—This variety is one of the best wax beans and is absolutely rust-proof; the pods grow long, flat, are very tender and of the finest quality. It is early, productive and a good, all-around bean. Pkt., 5c; $\frac{1}{2}$ pt., 15c; qt., 50c.

ASPARAGUS

One ounce will sow about 50 feet of drill.
Culture.—Sow in drills about one inch in depth, rows about one foot apart. Keep soil mellow and free from weeds during the summer. The following spring they may be transplanted, setting them about three feet apart each way and four inches below the surface. Give a dressing of manure each year. A small quantity of salt and ashes may be used to advantage.



Conover's Colossal.—A large, rapid grower of excellent quality. Pkt., 5c; oz., 10c; lb., 45c.

Columbian Mammoth White.—A distinct variety producing white shoots. A very vigorous grower. Pkt., 5c; oz., 10c; lb., 65c.

Palmetto.—Large, dark green variety of vigorous growth. Pkt., 5c; oz., 10c; lb., 60c.

ous growth. Pkt., 5c; oz., 10c; lb., 60c.

ASPARAGUS ROOTS.

By Mail By Mail By Exp.
Doz. 100 1000

Conover's Colossal.....	25c	\$1.00	\$5.00
Palmetto	25c	1.00	5.00
Columbian M'm'th White.	30c	1.25	6.00

BUSH BEANS

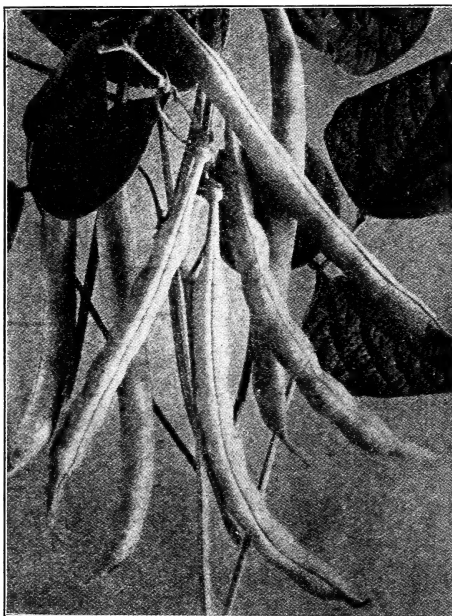
Wax or Yellow Poddied Varieties.

Culture.—Beans do best on light, warm soil, but do well on almost any soil with a reasonable amount of fertility. Plant two or three inches apart in rows, which should be about two and one-half feet apart. Give good culture.

Improved Golden Wax.—Moderately early, vigorous, bushy growth, very productive, of excellent quality. Pkt., 5c; $\frac{1}{2}$ pt., 15c; qt., 45c; pk., \$1.90.

Wardwell's Kidney Wax.—Early, hardy, productive and of excellent quality. Pods remain tender for a long time. Pkt., 5c; $\frac{1}{2}$ pt., 15c; qt., 45c; pk., \$1.75.

Challenge Black Wax.—Early, pods tender, round, fleshy and stringless. Pkt., 5c; $\frac{1}{2}$ pt., 15c; qt., 45c; pk., \$1.75.



Prolific Tree or California Branch.—Resembles the old navy or soup bean, but is much more productive. Very profitable for field culture. Pkt., 5c; $\frac{1}{2}$ pt., 10c; qt., 35c; pk., \$1.25.

Green Poddied Varieties.

Stringless Green Pod.—This bean is unequalled for the home garden. Very early, pro-

ductive and absolutely stringless. By repeated planting, green beans can be had until September. Pkt., 5c; $\frac{1}{2}$ pt., 15c; qt., 45c; pk., \$1.65.



Early Valentine.—One of the earliest varieties, and of good quality. Pkt., 5c; $\frac{1}{2}$ pt., 15c; qt., 45c; pk., \$1.40.

Refugee.—Similar to Valentine, but much longer pods and much more productive. Pkt., 5c; $\frac{1}{2}$ pt., 15c; qt., 50c; pk., \$1.40.

Bush Lima Varieties.

Henderson's.—Compact bush form, and very productive. Delicious flavor. Pkt., 5c; $\frac{1}{2}$ pt., 20c; qt., 50c.

Burpee's.—Vigorous growth, very productive and of good quality. Later than Henderson's. Pkt., 5c; $\frac{1}{2}$ pt., 15c; qt., 50c.

POLE BEANS

Culture.—Plant in hills about four feet apart, five to eight beans to each hill. Stake with poles four to eight feet long, depending on variety. If leaned to the north they do better and are more easily gathered.

Old Homestead or Kentucky Wonder.—Long, flat, green pods. An excellent snap bean and very productive. Pkt., 5c; $\frac{1}{2}$ pt., 15c; qt., 40c; pk., \$1.75.

Lazy Wife.—Long, heavy pods. Very productive and stringless. One of the leading varieties of pole beans. Pkt., 5c; $\frac{1}{2}$ pt., 15c; qt., 50c; pk., \$1.90.

White Dutch Case Knife.—A very heavy cropper of flat, white beans of excellent quality. Pkt., 5c; $\frac{1}{2}$ pt., 15c; qt., 45c; pk., \$1.65.

Scarlet Runner.—A great favorite, both ornamental and useful. Height, ten feet, presenting dazzling scarlet flowers, from July to October. Used both as a string bean and shelled. Seeds, when ripe, lilac, mottled black. Pkt., 10c; $\frac{1}{2}$ pt., 20c; qt., 60c.

King of Garden Lima.—The most productive of lima or butter beans. Much more productive than any of the dwarf or bush varieties. Pkt., 5c; $\frac{1}{2}$ pt., 15c; qt., 50c; pk., \$1.90.

Early Jersey Lima.—Very early and of excellent quality. Especially recommended where season is short or late planting

is made. Pkt., 5c; $\frac{1}{2}$ pt., 15c; qt., 50c.

GARDEN BEETS

One ounce will sow 50 feet; 3 lbs. per acre.

Culture.—They do best on loose, rich, sandy loam. Sow as early as the ground can be prepared in drills, having the rows about eighteen inches apart. For winter use sow in June or first of July.

Early Eclipse.—A very early maturing beet, especially desirable for the home garden. Top of medium size. Roots nearly globular, with a small top and a small collar. Flesh bright red, zone, with white, very sweet, crisp and tender, especially when young. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Crosby's Improved Egyptian.—The earliest beet, blood red and of excellent quality. The best for early home use, or for the market gardener. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Dewing's

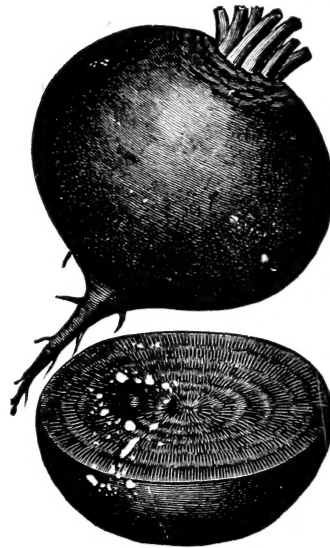
Blood Turnip.

—The leading main crop variety. Globe shape, deep red color, fine flavor. A favorite with market gardeners. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Edman's

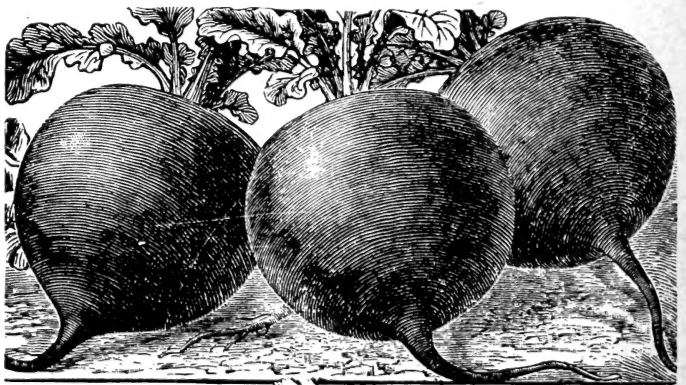
Blood Turnip.

—Are round, of of fair marketable size and of superior quality. Dark red and an excellent keeper. One of the best. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.



Yellow Turnip.—Round, smooth, yellow, sweet and tender. Beautiful when cooked, and of superior quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 65c.

Market Gardener's.—Long experience has shown this variety to be the best deep red tur-



MARKET GARDENER'S BEET

nip beet, not only for market gardeners, but also for home use. It is also by far the best for canning, making a strikingly handsome product, much superior to that obtained from any other variety. Its small, upright-growing top, early maturity, and the splendid shape and color of the root make it popular everywhere. On account of its small upright-growing top the rows may be close together. Leaf-stem and veins dark red; blade green; root globular or ovoid and very smooth; color of skin dark blood red; flesh deep vermilion red, zoned with a darker shade, very crisp, tender and sweet, and remaining so for a long time. Pkt., 5c; oz., 15c; ¼ lb., 25c; lb., 85c.

MANGEL AND SUGAR BEETS.

Golden Tankard.—The best and most productive mangel in cultivation. Contains a large per cent of sugar, making it a valuable feed for cows. Oz., 5c; lb., 35c; 5 lbs. or more at 25c per lb., by express.

Mammoth Long Red.—Blood red, very nutritious and a good cropper. A favorite with the farmer and dairyman. Oz., 5c; lb., 35c; 5 lbs. or more at 25c per lb., by express.

Lane's Improved Sugar.—Especially good for stock feeding. Large, smooth, of fine grain and very sweet. Oz., 5c; lb., 35c.

BRUSSEL'S SPROUTS

Improved Dwarf.—Produces compact sprouts of the finest quality. Pkt., 5c; oz., 20c; ¼ lb., 60c.

BORECOLE OR KALE

Extra Curled Dwarf.—Fine crimped leaves, light green. Pkt., 5c; oz., 15c; ¼ lb., 25c lb., 75c.

CABBAGE

One ounce will produce about 2,000 plants. One-quarter pound of seed in beds will produce plants for one acre.

Culture.—Start your early crop in hotbed middle of February, covering seed about one-half inch; transplant to cold frames soon as plants are large enough, three or four inches each way. Remove glass part of each day to harden plants and plant out in open ground middle of April. For general crop sow in open ground in June in hills three feet apart.



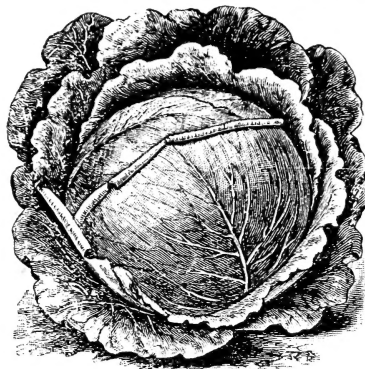
the best of satisfaction.

Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

Extra Early Express.—Extra early small solid headed variety. A favorite in many localities. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

Early Winningstadt.—Closely follows the Early Wakefield is considerably larger and

very solid. One of the very best varieties. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.25.



Henderson's Early Summer.—A large, flat-headed variety, only about ten days later than Early Wakefield. The best second early variety. Keeps a long time without bursting. Pkt., 5c; oz., 20c; ¼ lb.,

50c; lb., \$1.75.

Savoy Perfection Drumhead.—The best of the Savoys. Large head with crisp, wrinkled leaves. Of superior quality. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

Henderson's Succession.—About ten days later than Henderson's Early Summer and larger. A sure header and very profitable. Pkt., 5c; oz., 25c; ¼ lb., 60c; lb., \$1.90.



Danish Ballhead.—Very solid, sure header, and an excellent keeper. Heads not quite so large as Flat Dutch, but very fine grained. Is also called "Hollander." Pkt., 5c; oz., 25c; ¼ lb., 65c; lb., \$2.25.

Large Late Drumhead.—Large short stem variety. So well known that it needs no further description. Pkt., 5c; oz., 20c; ¼ lb., 50c lb., \$1.75.

Mammoth Red Rock.—Heads large and deep red to center. The best of the red varieties. Pkt., 5c; oz., 20c; ¼ lb., 65c; lb., \$2.25.

Premium Flat Dutch.—Heads large, solid and a good keeper. One of the best known of the late varieties. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

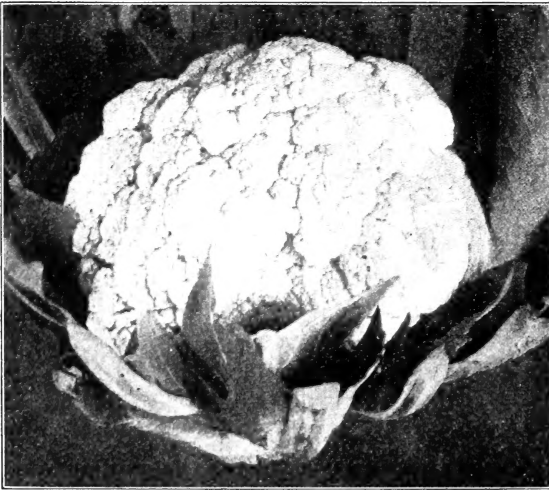


CAULIFLOWER

One ounce will make 2,000 plants.

Culture.—About the same as cabbage.

Henderson's Early Snowball.—The best known and most popular variety on the market. Is a sure header. Our seed is the best we can secure. Pkt., 15c; $\frac{1}{4}$ oz., 60c; oz., \$2.25.



Extra Early Dwarf Erfurt.—Similar to the Snowball, but of dwarfer growth and slightly earlier. Good for forcing or field culture. Pkt., 10c; $\frac{1}{4}$ oz., 50c; oz., \$1.75.

CARROTS

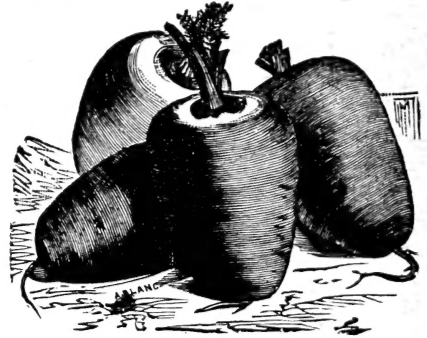
One ounce will sow 100 feet of drill; three to four pounds required for an acre.

Culture.—April is the time to sow for early use. Sow seed in drills twelve to fifteen inches apart, and thin out from three to four inches in drill, covering seed about one-half inch. For general crop sow in May same distance apart as above, but cover seed a little deeper,

as sun is stronger. Perfect specimens require a fine, pulverized, deep soil.

Danvers Half Long.—We consider this the best carrot for general crop for gardeners, as it is a heavy producer of excellent quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

Improved Long Orange.—The standard late variety. Very productive and excellent for feeding milk cows. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.



OXHEART, OR GUERANDE.

Oxheart or Guerande.—Thick and short; very blunt at lower end. Rich orange color and of fine quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

CELERY

One ounce will produce about 3,000 plants.

Culture.—Sow seed the last of April or early in May in well-pulverized soil. Do not cover more than one-fourth inch deep. Press seed bed firmly after sowing. When large enough transplant six to eight inches apart.

Golden Self Blanching.—The best celery for



home planting as well as for the market gardener. Grows to good size, free from strings, and of delicious, nutty flavor. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., \$1.25; lb., \$3.90.

Giant Pascal.—Large, strong grower of fine quality and very heavy cropper. For late fall and winter use, it is one of the very best. A fine keeper and excellent shipper. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

White Plume.—Almost self blanching. Early, of good flavor and fine texture. Excellent for home use. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb. \$1.75.

Dwarf Golden Heart.—A very showy old variety that is very popular in many sections of the country. Does well on a light soil. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.

CRESS OR PEPPERGRASS

Extra Curled.—A small plant having a fine pungent flavor and used as a salad. May be cut two or three times. Pkt., 5c; oz., 10c; lb., 50c.

True Water Cress.—Grows along banks of ponds and streams and is easily introduced. Leaves quite large and thick. A fine salad. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

CUCUMBER

One ounce will plant 50 hills. Two pounds will plant one acre.

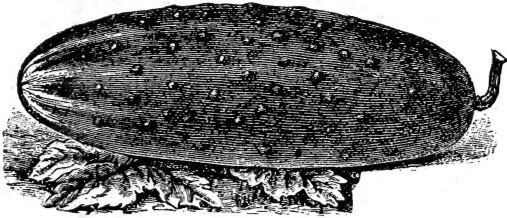
Culture.—Sow seed in February or March in hotbed or greenhouse; cover seed about one-half inch deep. For general crop in open ground sow about June 1st, in hills six feet apart each way, leaving three plants to a hill. A springling of dry plaster will keep off the striped bug.

Green Prolific or Boston Pickling.—Of uniform growth, small and very productive. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Improved Long Green.—Long and crisp. Excellent for the family garden. Our stock of seed is of an improve strain. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., 90c.

Improved Chicago Pickle.—This is unquestionably the best cucumber for pickling that has ever been introduced. Are of the right size. Uniform in shape and of beautiful green color. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 85c.

Improved White Spine.—The best for slicing, also excellent for pickling. Of medium size



and uniformly straight. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

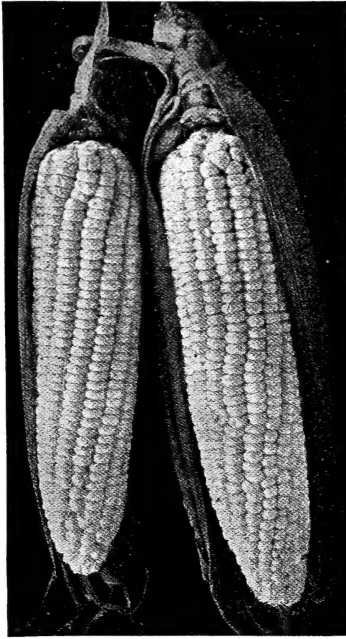
West India Gherkin.—The only genuine Gherkin. Small, oval and covered with spines; color, light green. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Corn Salad.—A delicious salad used during the winter and spring months as a substitute for lettuce, is also cooked and used like spinach. Pkt., 5c., oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 55c.

CORN, Sweet or Sugar

Golden Bantam.—An extremely early and hardy yellow-grained variety of the richest

flavor of any sweet corn grown. Grows to a height of four feet, with two good ears on almost every stalk. Sure to give satisfaction for first early. Pkt., 5c; $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 45c; pk., \$1.40.



Peep-O-Day—The very earliest and sweetest of the small growing varieties. Stalks grow from $3\frac{1}{2}$ to $4\frac{1}{2}$ feet high and produce from two to five ears to the stalk. Pkt., 5c; $\frac{1}{2}$ pt., 15c; qt., 40c; $\frac{1}{2}$ pk., 75c; pk., \$1.25.

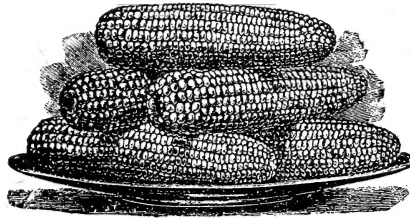
Extra Early Cory.—Very early; ears larger than Peep-O-Day and of good quality. Very popular with gardeners and for home use. We have both the white and red cob. Pkt., 5c;

$\frac{1}{2}$ pt., 15c; qt., 35c; $\frac{1}{2}$ pk., 60c; pk., \$1.10.

Crosby's Early.—An old favorite, early and very sweet. Ears are of good size. Too well known to need further description. Pkt., 5c; $\frac{1}{2}$ pt., 10c; qt., 35c; $\frac{1}{2}$ pk., 60c; pk., \$1.00.

Black Mexican.—A splendid variety of excellent quality and remarkable tenderness. When in roasting ear, is purple and white. Pkt., 5c; $\frac{1}{2}$ pt., 15c; qt., 40c; $\frac{1}{2}$ pk., 65c; pk., \$1.10.

Country Gentleman.—As a table variety it is unrivaled. If we could have but one variety of sweet corn, it would be the Country Gentleman. The plump white kernels are of great depth and most delicious flavor. Pkt., 5c; $\frac{1}{2}$ pt., 15c; qt., 40c; $\frac{1}{2}$ pk., 80c; pk., \$1.40.



Stowell's Evergreen.—A favorite with canners, and one of the best late varieties. Ears very large, kernels deep and of splendid quality. Pkt., 5c; $\frac{1}{2}$ pt., 10c; qt., 35c; $\frac{1}{2}$ pk., 60c; pk., \$1.10.

Early Minnesota.—An old and popular early variety of fine quality and produces medium sized ears. Valuable for home or market. Pkt., 5c; ½ pt., 10c; qt., 30c; ½ pk., 60c; pk., \$1.00.

POP CORN

Monarch White Rice.—This is undoubtedly the best variety of white pop corn. Bears from two to five ears to the stalk. The most profitable variety for commercial purposes. Pkt., 5c; ½ pt., 10c; qt., 30c; ½ pk., 60c; pk., 90c.

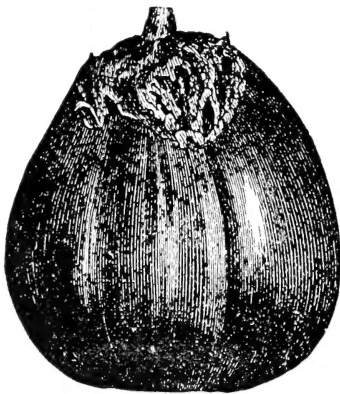


Queen's Golden.—As the name indicates, it is a golden yellow and very attractive in appearance. The ears are larger than the White Rice, and often produces four or more ears to the stalk. Pkt., 5c; ½ pt., 10c; qt., 35c; ½ pk., 65c; pk., \$1.00.

EGG PLANT

Early Long Purple.—The earliest and hardiest. Very productive and of good quality. Pkt., 5c; oz., 25c; ¼ lb., 85c.

New York Improved Long Purple. A leading variety; fruit very large, oval-shaped, smooth and deep purple. Pkt., 5c; oz., 30c; ¼ lb., \$1.10.



ENDIVE

Giant Fringed.—A very handsome variety, having a white heart, and outside fringed with green. Pkt., 5c; oz., 15c; ¼ lb., 50c.

KOHLRABI

Early Smooth Purple Vienna.—A fine flavored tender bluish purple variety. Pkt., 5c; oz., 20c; ¼ lb., 75c.

KALE---See Borecole

Ground Cherry or Husk Tomato.—Excellent for preserving. Is very productive and easy to grow. Pkt., 5c; oz., 35c.

LETTUCE

One ounce will sow 100 square feet or 120 feet of drill.

Culture.—For winter use sow in greenhouse or hot-bed and cover seed very lightly. Transplant first to three inches apart and then to eight inches. For outside use sow in rows, covering seed one-quarter inch, the rows eighteen inches apart, then thin out plants to eight inches in row.

LOOSE LEAF VARIETIES.

Early Curled Simpson.—A leading early variety. Forms a compact mass of curly leaves of yellowish green. Is not a head lettuce. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.



Black Seeded Simpson.—A curled variety that is very popular with market gardeners. Forms a loose head and very crisp and tender. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.

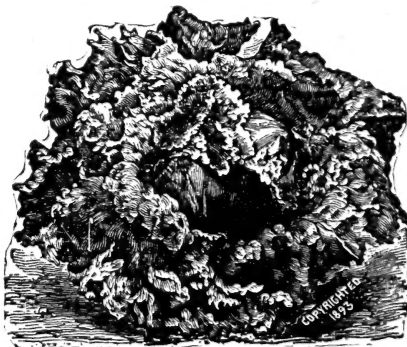
Grand Rapids.—The most popular of all the forcing varieties. Matures quickly, and of fine quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., \$1.10.

HEAD VARIETIES.

Denver Market.—An early head lettuce suitable for forcing or the open ground. Heads large, solid and of a light green color. Very delicious. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

California Cream Butter.—Heads large, round and solid; outside green; within the leaves are of a rich, creamy color. One of the most desirable summer varieties. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

Iceberg.—A handsome head variety; outer leaves of light green with a slight reddish tinge around the edges. Crisp, tender and fine in every particular. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.



NEW ICEBERG LETTUCE.

Improved Hanson.—This variety is planted more extensively than any other head variety. It is the best heat resister of any variety on the market, which accounts for its great popularity. Outside leaves are green; while the inside are almost white. Quality is the best. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

MUSTARD

White or English.—For salads or flavoring. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 35c.

Giant Southern Curled.—Very highly esteemed in the South, where it is sown in the fall, for early spring use. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

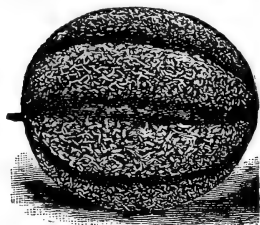
MUSHROOM SPAWN

English.—This is regarded as the best for general culture. Put up in bricks of 1½ lbs. each. Per brick, 40c, postpaid. By express or freight at purchaser's expense, 5 lbs., 65c; 10 lbs., \$1.00.

MUSK MELON

Plant two or three pounds for one acre. One ounce for fifty hills.

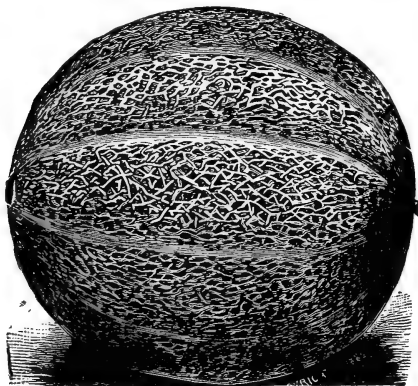
Culture.—Plant in hills six feet apart each way. Put a dozen seeds in a hill, and when danger from bugs is over thin to three or four plants. Pinch main stem, which will strengthen the vine, and the fruit will come earlier. Use Slug Shot to kill the bugs.



Paul Rose.—Produced by a cross of the Osage and Netted Gem, combining the sweetness of the one, and the fine netting of the other. Flesh is of a deep orange color, and quality is all that could be desired. A great favorite with

home growers and marketmen. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

Rocky Ford.—This is of the Netted Gem type, having been greatly improved in the hands of the growers at Rocky Ford, Colo. They are of a light green color and of excellent quality. Our seed is especially good. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.



ROCKY FORD

Osage.—A favorite salmon-fleshed variety, of most excellent quality. Is slightly ribbed and netted, oval, skin very dark green. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

Netted Gem.—One of the old popular varieties of small, netted melons of excellent quality. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 75c.

Extra Early Hackensack.—The earliest heavily netted variety on the market. Very popular with both the home grower and market gardener, on account of its earliness and excellent quality. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

Hoodoo.—A new melon of exceptional quality. Flesh salmon, seed cavity very small. The melon is of just the right size to be extremely popular. The netting being very close and firm makes it a fine shipper. The flesh is very thick,

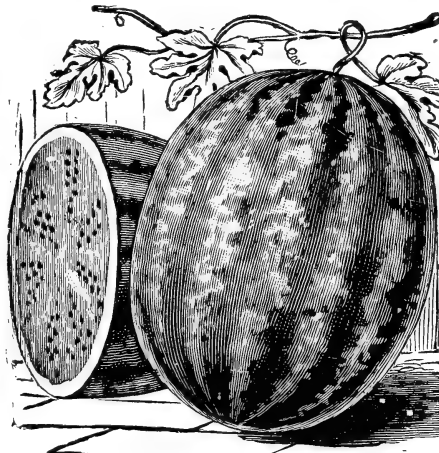
highly colored and of fine texture. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.75.



HOODOO

WATER MELON

Coles Early.—A medium sized early melon, of fine texture and excellent flavor. A most desirable variety for the home garden. Rind is thin and flesh of a bright red color. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.



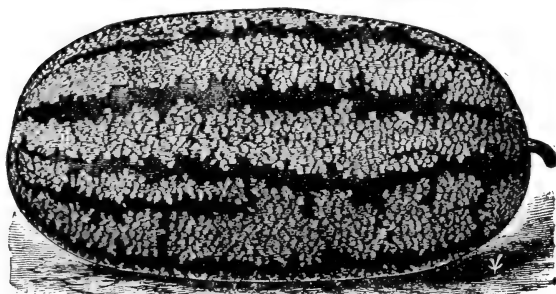
COLE'S EARLY

Phinney's Early.—Ripens early, of good size and superior quality. Skin a distinct deep red. It is especially desirable in the North on account of being able to get it on the market early. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

Kolb's Gem.—One of the most extensively planted for shipping on account of its excellent keeping quality. Are large, skin handsomely striped, of light and dark green. Flesh is bright red and good flavor. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.

Keckley's Sweet or Monte Cristo.—This is one of the most popular melons on the market because of its superior flavor. Flesh bright scarlet, with solid heart, deliciously crisp and sugary. Ripens early and is especially desirable for the home garden. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

McIvor's Wonderful Sugar.—This is becoming the most famous melon for sweetness and high quality. The fruits are long and of large size, averaging about 35 lbs. each. It is considered one of the handsomest melons ever sent out, being rather light colored, irregularly striped and mottled with dark green. The rind is rather thin, but tough, so that it is a good shipper. Flesh is delicate light red, entirely stringless and the most tender, juicy and luscious that can be imagined. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 65c.



WONDERFUL SUGAR

Sweetheart.—Large, oval, very heavy, mottled light and green. Retain their good qualities for a long time after ripening. Flesh bright red, tender and sweet. Very vigorous and productive, ripening early. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 50c.

Dixie.—Flesh bright scarlet and of fine quality. Is very productive and a fine shipper. Planted extensively for shipping trade. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Peerless or Ice Cream.—A popular old sort that has held its place for so long on account of its splendid quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Fordhook Early.—An early variety of first quality and large size. Nearly round in shape, skin green, flesh bright red, seeds white. A good shipper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Citron.—For preserves. Grows uniformly round and smooth, skin handsomely striped and marbled, of a light green color. Used only for preserves and pickles. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

ONION

ONION

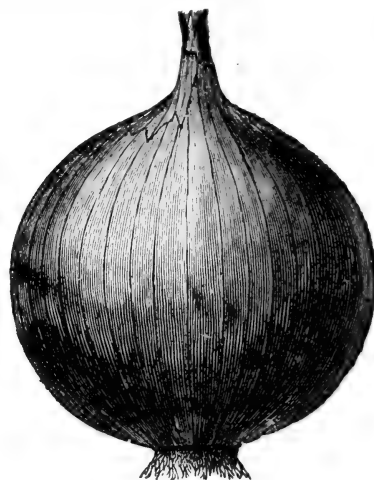
Sow one ounce to 100 feet of drill; four pounds to an acre.

Culture.—Sow as early in April as weather will permit in rows twelve inches apart; cover seed about one-half inch. When plants are about three inches high thin out to two inches apart in row. Ground requires to be made very rich and must be kept free from weeds.

Large Red Wethersfield.—Is more extensively grown than any other red variety. Very large, uniform in size and shape and an immense yielder. We especially recommend it for general planting in almost all parts of the country. Quality good and first-class keeper. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.75.



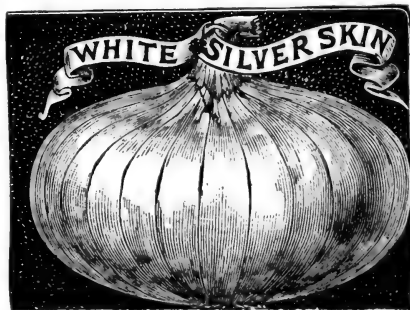
Southport Red Globe.—Skin glossy dark red; flesh fine grained and of excellent quality. Produces an immense crop of large, showy onions. One of the best for general planting. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$1.90.



Yellow Globe Danvers.—A favorite in many parts of the country. The skin is rich brownish yellow, mild flavor and is a sure cropper. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.60.

White Barletta.—Very early; waxy white and of fine quality. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

Extra Early Flat Red.—A medium-sized early flat variety, and a heavy cropper. Very desirable for northern latitudes and for early markets. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

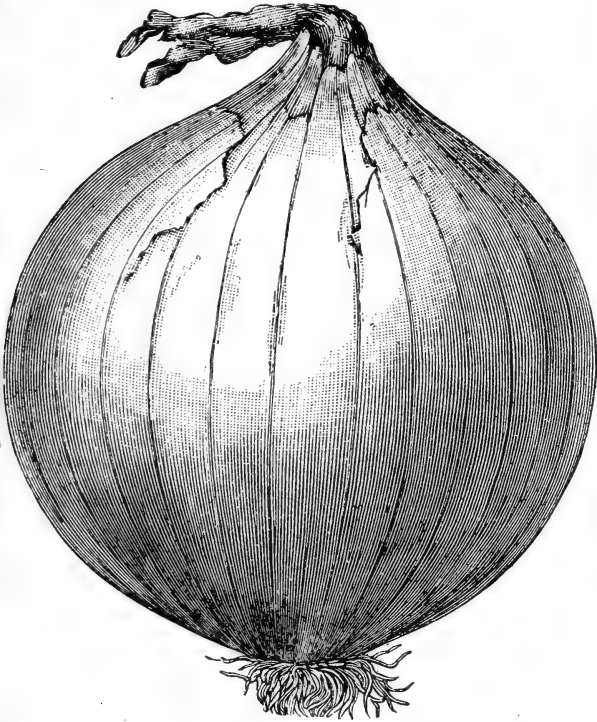


White Portugal or Silver Skin.—A very early-maturing variety, much used for pickling when

small. A handsome, large, white onion when fully matured. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.40.

Southport White Globe.—Beautiful silver skin, perfect globe shape and of large, uniform size. Always commands the highest price on the market. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., 90c; lb., \$2.90.

Mammoth Yellow Prizetaker.—The Prizetaker onion has now been several years on the market and is recognized as one of our best standard varieties. Rarely has any vegetable attained prominence more rapidly; it succeeds everywhere—east, west, north and south—and whether grown for home use or for marketing



it gives universal satisfaction, yielding onions often 14 inches around and at the rate of 1,200 to 1,500 bushels per acre. Its immense size will recommend it to all, particularly when it is known that its keeping qualities are unexcelled. The exterior color is pale yellow, and the interior clear sparkling white. It is easily grown, medium early in maturing, mild in flavor. Sow the seed early in a sheltered spot and transplant the young plants. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.65, postpaid.

PARSLEY

Culture.—Soak the seeds a few hours in lukewarm water and sow early in the spring. Sow in rows one foot apart, thinning the plants out to 4 inches apart in the row. To preserve in winter, transplant to a light cellar or cold frame.

One ounce will sow 150 feet of row.

Champion Moss Curled.—A very quick, robust grower with crumpled and curled leaves, of a

rich green color, making it especially desirable for garnishing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Double Curled.—A very fine dwarf, handsome green curled variety. Pkt., 5c; oz., 10c; $\frac{1}{2}$ lb., 20c; lb., 50c.

PARSNIPS

PARSNIPS

One ounce will sow 100 feet of drill.

Culture.—Sow in spring as soon as the weather will permit in rows eighteen inches apart. Cover seed one-half inch deep; thin out to five inches apart in row when plants are large enough. A little frost improves the flavor. Take up what is wanted for winter use, leaving the rest in the ground for spring use.



Improved Hollow Crown.

—A very fine and greatly improved strain, making a more stocky growth than the old Hollow Crown. It is an excellent cropper. Flesh is fine grained and of excellent quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Improved Guernsey.

—Roots not so long as Hollow Crown. Quality fine, heavy cropper and easy to gather. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

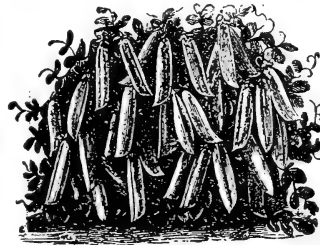
PEAS

One quart will plant a row 100 feet long.

Culture.—Peas mature earliest in a light, rich soil; for the general crop a moderately heavy soil is best. Commence sowing the early varieties as soon as the ground can be worked, continue for a succession every two weeks until June. It is a good plan to sow the early, second early and the late varieties at the same time for a succession. One quart for 100 feet of drill; two to three bushels for an acre.

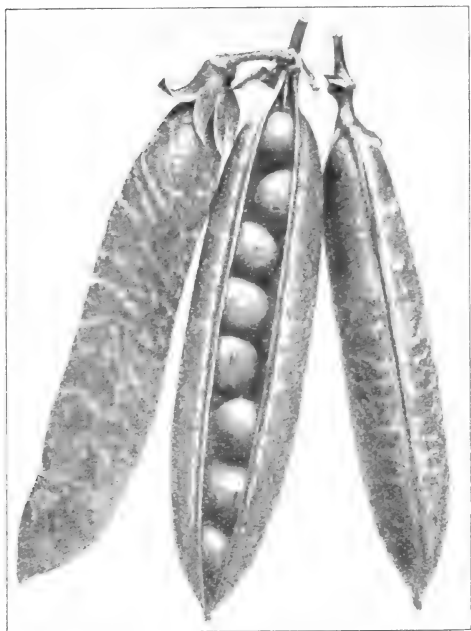
The wrinkled varieties are more susceptible to cold, wet weather than the small, round, hard sorts, hence should not be planted very early except in warm, dry locations. They are sweeter and better flavored.

American Wonder.—One of the very earliest wrinkled sorts, and of excellent quality. Height 10 to 12 inches. Strictly a pea for the family garden. Can be planted a week apart for succession. Pkt., 5c; $\frac{1}{2}$ pt., 15c; qt., 45c; pk., \$2.25.



Premium Gem.—A few days longer in maturing than the American Wonder and a heavier producer. Grows about 16 inches high. Pods are well filled with a fine quality of wrinkled peas. Pkt., 5c; $\frac{1}{2}$ pt., 15c; qt., 45c; pk., \$2.10.

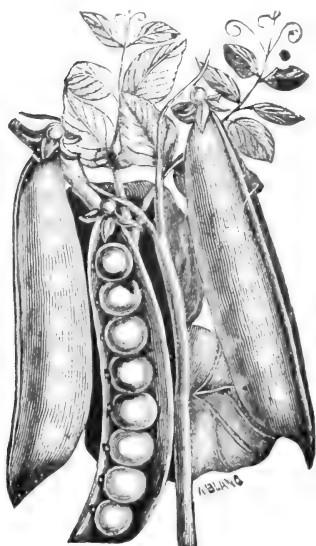
Alaska.—The earliest pea on the market. Is smooth and of a bluish color. It is one of the most desirable of first market sorts, as the en-



STRATAGEM

tire crop ripens almost at the same time. Height about two feet. Pkt., 5c; $\frac{1}{2}$ pt., 15c; qt., 45c; pk., \$1.90.

Improved Stratagem.—One of the finest wrinkled peas grown. The vines are very strong growers, and produce immense



GRADUS

crops. Height about two feet. Equally good for home or market. The quality is unsurpassed. Pkt., 5c; $\frac{1}{2}$ pt., 15c; qt., 45c; pk., \$2.10.

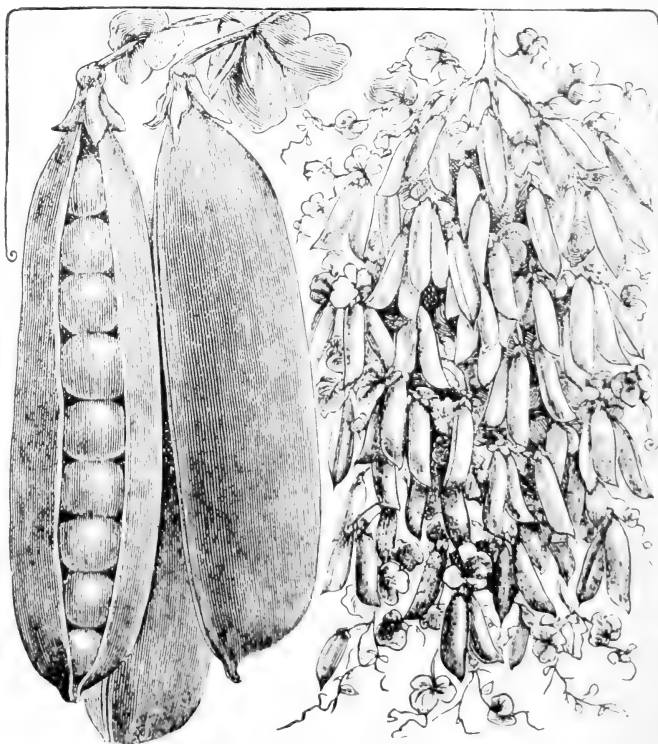
Gradus.—An early wrinkled variety growing about 24 to 30 inches high. It is said that no pea of recent introduction has attracted so much attention with market men. The pods are large and uniformly long, always well filled. Ready for market a few days after American Wonder and Premium Gem. In quality it is second to none. Pkt., 5c; $\frac{1}{2}$ pt., 15c; qt., 55c; pk., \$2.50.

Telephone.—An old standard tall-growing sort that needs sticks or brush. The quality is good and is more productive than the dwarf sorts. The large pods make it a valuable variety for the market gardener. Pkt., 5c; $\frac{1}{2}$ pt., 15c; qt., 45c; pk., \$2.25.

Champion of England.—One of the oldest of the tall-growing, late varieties. It grows five feet high, is very productive and is unsurpassed in quality. For a tall late sort it is unexcelled. Pkt., 5c; $\frac{1}{2}$ pt., 15c; qt., 40c; pk., \$1.90.

White Marrowfat.—Grows from four to five feet and very productive and of excellent quality. Pkt., 5c; $\frac{1}{4}$ pt., 15c; qt., 40c; pk., \$1.25.

Nott's Excelsior.—A very popular early wrinkled variety, growing about 16 inches high and producing well filled pods three inches long, each pod containing five to seven large peas of excellent quality. A most desirable variety for household use. Pkt., 5c; $\frac{1}{2}$ pt., 15c; qt., 45c; pk., \$2.25.



NOTT'S EXCELSIOR

PUMPKIN

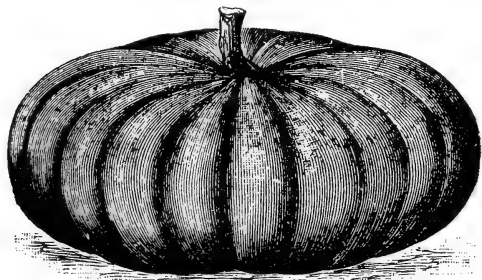
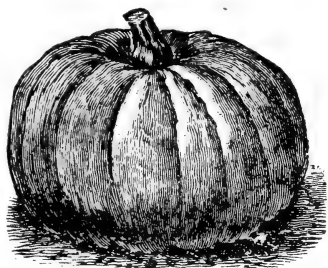
One pound will plant 200 to 300 hills. One ounce will plant 20 hills. Four to six pounds will plant an acre.

Culture.—Sow when all danger from frost is over in hills eight feet apart; thin out to four plants in a hill. The common practice is to drop two or three seeds in every third or fourth hill in the corn field.

Small Sugar

Pumpkin.—Also called Sweet Pumpkin. This is the pumpkin from which the celebrated Yankee pumpkin pie is made. It is small, being about 10 inches in diameter, but of the best quality. It has a deep orange yellow skin and fine grained flesh; handsome and an excellent keeper. It is prolific and in every way desirable. It cannot be excelled as a table pumpkin. The average weight is about 5 lbs. A sure cropper and excellent for marketing, as it is of convenient size. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Japanese Pie.—Flesh of a deep yellow and of fine quality. Excellent for pies, crook necked, similar to the old Kershaw. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.



Large Cheese.—Large, round, flattened fruits, with creamy buff skin. Grows quite large, an excellent keeper and of extra fine quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

King of Mammoths.—Also known as Jumbo. Grows to enormous size, sometimes weighing as much as two hundred pounds. Good for pies and excellent for stock. Skin salmon-orange; flesh thick and bright yellow. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

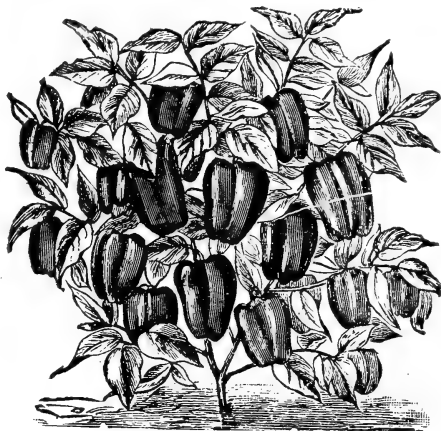
Connecticut Field.—The common yellow field pumpkin, planted extensively by farmers for feeding to stock. Is immensely productive. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 35c.

PEPPERS

One ounce will produce about 2,000 plants.

Culture.—Sow in a hotbed in March or April; transplant in open ground when all danger from frost is over, in rows three feet apart and two feet apart in row. Seed can be sown outside late in May. Cover seed one-half inch and thin as above.

Chinese Giant.—A magnificent new variety, the largest and finest pepper in cultivation. The plant is about two feet high, of strong, vigorous growth, stocky in habit, very productive and ripens its fruit earlier than the Ruby King. The fruit averages four inches in diameter, and is of a bright, glossy scarlet when ripe. The flesh is unusually thick and very mild, having none of the pungency of most of the older varieties. The immense size of the fruit and its brilliant color render it very attractive. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.25.



Large Bell.—Very large sort. Flesh thick, hard and less pungent than most other varieties. Fruit glossy red, sometimes three or four inches in length. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c.

Sweet Mountain.—Exceedingly large, very prolific and popular market variety. Plants vigorous and productive; fruit is large and smooth. Flesh very thick. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 60c.

Long Red Cayenne.—Beautiful and productive. Fruit four inches long, bright red, pointed pod; flesh thick and pungent. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c.

Red Chili.—Small, bright red, cone shaped. One of the hottest. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c.

PEANUTS

Every boy and girl can grow their own peanuts here in Iowa and as far north as Canada. They are as easily grown as corn and will produce from 25 to 50 bushels per acre.

Culture.—Shell the nuts carefully so as not to break the inside skin, plant as soon as the ground becomes warm and they will ripen before September. Plant in hills two or three feet apart each way, four or five kernels to the hill, and cover two inches deep. Soil must be mellow and deep. The ground should be hilled up to within an inch or two of the blossoms and they will take root.

Red Cross.—This very desirable variety is early as the earliest, most hardy, very prolific and of the best quality. Boys, here is a chance for you. Think of growing peanuts in your own garden and having plenty of them to eat. Shell nuts carefully so as not to break inside skin, plant as soon as ground becomes warm, from

two to three feet apart each way, four or five to the hill, covering two inches. Soil should be deep and mellow. Produce from twenty-five to seventy bushels to the acre; easily cultivated as corn. Pkt., 10c; lb., 40c, postpaid. By express 5 lbs. or more at 25c per lb.

RADISH

One ounce will sow about 100 feet of drill.

Culture.—Sow in the open ground as soon as it can be worked, at intervals of ten days for a succession as long as wanted. Sow in a hotbed or greenhouse in winter. The winter varieties should be sown in August and lifted before severe frost. As their tender and mild qualities depend on rapid growth, the soil should be rich, light and mellow.

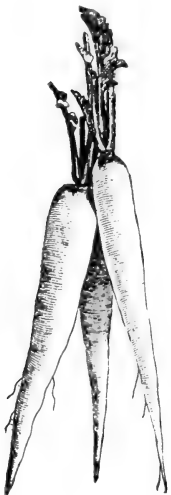


Early Scarlet Globe.—A small, very early globe radish, of a rich, scarlet color. This is a favorite both with market gardeners and for the kitchen garden. One of the best sorts in cultivation. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

French Breakfast.—A quick growing medium sized variety, scarlet except at tip, which is pure white. A splendid variety. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 55c.

Large White Summer Turnip.—Round, smooth, very crisp and tender. A very fine white turnip variety. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

Early Snowball.—One of the quickest growing, white, round varieties. The purest white, perfectly smooth and one of the prettiest radishes on our list. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.



Icicle.—A long rooted white variety. Roots of almost transparent whiteness. Very crisp and a great favorite for the kitchen garden. Equally as good for marketmen. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

White Strasburg.—Handsome, oblong tapering shape. Pure white skin and flesh. Keeps brittle and tender for a long time. Withstands heat unusually well. One of the very best varieties. Pkt., 5c, oz., 10c; ¼ lb., 20c; lb., 60c.



Chartier.—A clear rose colored, long variety, shading to waxy whiteness at tips. A splendid all-seasons variety. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 80c.

China Rose.—A bright, rose colored winter variety. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

White China.—A very large stump-rooted variety that can be sown from early in July until late in August. Keeps for a long time. Mild flavor and brittle. Pkt., 5c; oz.,

10c; ¼ lb., 25c; lb., 75c.

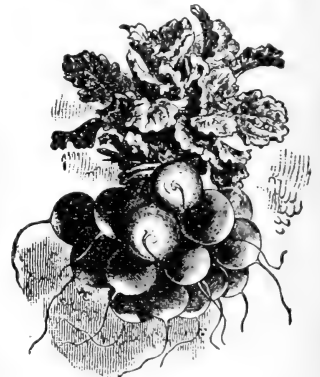
Long Black Spanish.—One of the latest and hardiest. Excellent winter sort. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

Long Scarlet Short Top.—The standard early long variety for market and home garden. Roots long, growing partly above ground, straight, smooth, rich, scarlet color, and a quick grower. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.

Rosy Gem.—This is one of the earliest radishes grown; is very handsome in color, being perfect globe-shaped. The rich, deep scarlet at the top blends into pure white at the bottom. In quality it is exceedingly mild and crisp. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Crimson Giant Forcing.—This new variety is suitable for forcing or early planting. Out of doors it grows to double the size of other forcing or early varieties without becoming pithy or hollow. They frequently run from six to seven inches in circumference and remain quite firm. The color is a beautiful carmine with pure white flesh, tender and juicy. It is a general favorite with market gardeners in most localities. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

Lady Finger.—A long white variety of rapid growth and beautiful shape. Skin and flesh snow white. The finest of the long white radishes. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c.



SALSIFY, or OYSTER PLANT

Culture.—Sow as early as the ground can be worked in the spring, in drills 12 inches apart and 1 inch deep, thinning out to 6 inches in the row. Cultivate the same as for carrots and parsnips. It is perfectly hardy and part of the crop may be left in the ground until spring. The roots are cut into pieces one-half inch long, boiled until tender, and served with drawn butter. They may also be mashed and fried. The flavor is much like that of an oyster.

One ounce will sow about 60 feet of drill; 8 to 10 pounds to the acre.

Mammoth Sandwich Island.—Grows fully double the size of the old Long White. The root is pure white, much heavier and thicker throughout, and notwithstanding their enormous size are much superior in quality. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.35.

SPINACH

Culture.—For early use, sow in the spring, in drills a foot apart, thinning out for use as greens. For fall use, sow in August; and for a winter crop to be kept over until early spring, sow in September and October. That which is left to winter over should be covered with straw or leaves.

One ounce will sow 100 feet of drill; 12 pounds will sow an acre.



Victoria.—An excellent variety, forming a thick, large, dark green leaf, curled in the center. Desirable for either the market or home garden. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 35c.

Long Standing.—An excellent sort that remains in good condition for use a long time after maturity. Very popular with market gardeners. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 35c.

Bloomsdale.—A savory variety with curled and wrinkled leaves. Hardy and of rapid growth. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 35c.

SQUASH

Culture.—Sow in hills in the same manner and at the same time as cucumbers and melons, the bush varieties 3 to 4 feet apart and the running kinds 6 to 9 feet apart.

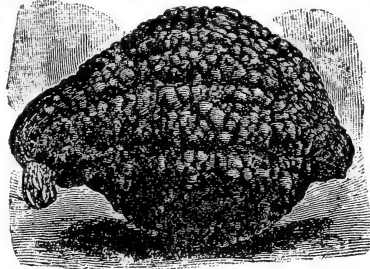
One ounce will plant 20 to 40 hills; 4 to 6 pounds will plant an acre.

Early White Bush Scallop.—A well-known variety of dwarf habit of growth; surface smooth, color creamy white. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.

Giant Summer Crookneck.—A splendid summer variety of good size and attractive color. Quality excellent. A great favorite with market gardeners. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

Golden Hubbard.—Vine very vigorous, but not a large, coarse-growing sort. Fruit very

uniform in size, weighing from six to eight pounds. They resemble the old standard Hubbard, but mature much earlier. Shell warty and a beautiful orange red color. Flesh, deep orange, fine grained and exceptionally well flavored. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.



Warted Hubbard.—One of the best of the winter varieties; flesh a bright orange yellow and of excellent quality. Bakes exceedingly dry. Our seed is most carefully grown and selected and will give excellent results. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

Sibley or Pike's Peak.—A most excellent winter variety. In quality it is one of the very best. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

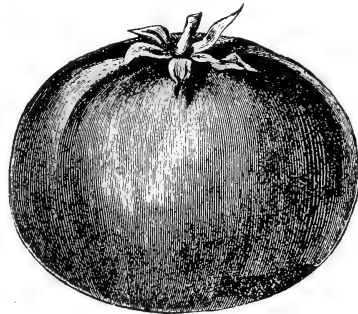
Delicious.—This Squash is particularly excellent in quality and is by some preferred even to the Hubbard. It is a very early winter variety of medium size; shell moderately hard, but very thin; flesh thick, fine grained and bright yellow in color. Even when immature this squash is in condition for use and is of very fine flavor. Prices, by mail, postpaid: Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.10.

TOMATO

One ounce will produce about 1,200 plants; ¼ lb. enough for an acre.

Culture.—Sow in hotbed or greenhouse from February until April, according to time plants are wanted. When plants are four inches high transplant from hotbed to cold frames, setting plants eight inches apart each way. Set in open ground about June 1st, four or five feet apart each way.

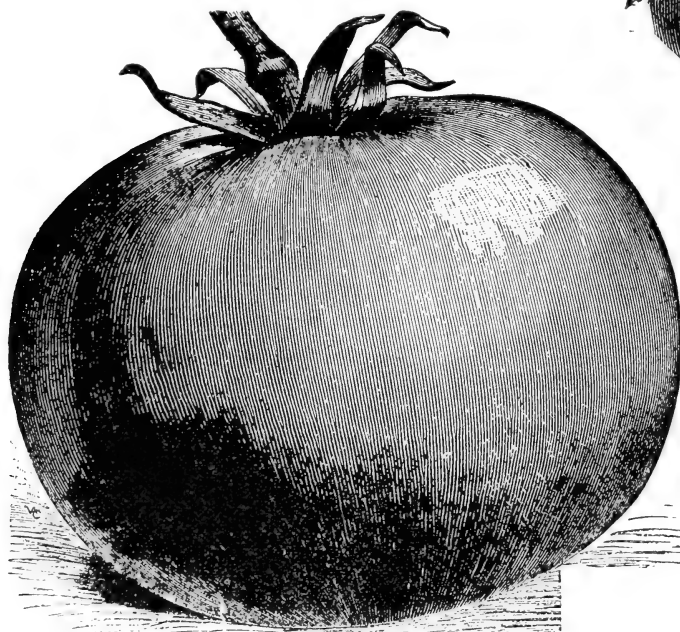
Dwarf Champion.—A purple colored variety, plant growing about two feet high, very erect and stocky. Fruit smooth, medium size and of good quality. Sometimes called the tree tomato on account of its erect growth. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.



Sparks' Earliana.—The earliest, smooth, red variety. Good size, smooth and of excellent quality. Popular with market gardeners, also for home garden. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 80c; lb., \$2.25.

Acme.—A fine, early, productive variety of excellent quality. Fruits in clusters, glossy red with a purplish tinge. Firm and a good shipper. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

Trucker's Favorite.—The finest large-fruited purple tomato. Most regular in form and size, thick-meated and very solid; this is one of the largest smooth tomatoes grown. Of a beautiful purplish-red color. Their fine flavor is especially esteemed. The vines are of strong, healthy growth, not subject to rust or blight, and produce enormous crops until killed by frost. The fruits continue of large size to the very last and are unexcelled for slicing or cooking. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c.



TRUCKER'S FAVORITE

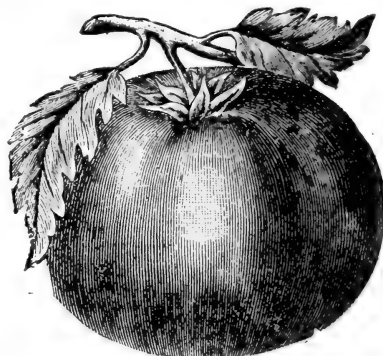
Matchless.—The best large-fruited bright red tomato. The vines are of strong, vigorous growth, well filled with fruit. The fruits are entirely free from core, of a rich, cardinal red color, and are not liable to crack from wet weather. They are of large size, and the size is maintained throughout the season. The flesh is so firm that ripe specimens picked from the vine will keep in good marketable condition for two weeks. Its fine quality, solidity, and long-keeping character have made it a great favorite for both market and family use. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c.

Livingston's Favorite.—Quite like the Acme, but larger, very smooth and a handsome blood red color. Very desirable for canning. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

Ponderosa.—Very solid, almost seedless, good flavor, large size and very productive. One of the meatiest of all tomatoes, also called Majes-

tic. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., 90c; lb., \$2.50.

New Stone.—Planted for canning purposes more extensively than any other variety; also a very popular variety for southern planters on account of its splendid carrying qualities. In color it is a very desirable red. It also yields heavy crops, making it one of the most desirable on our list. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$1.90.



Livingston's Beauty.—This is a favorite with market gardeners in this locality. A hardy, strong grower, very productive, producing fruit in clusters of four to six large fruits of a glossy crimson color with a tinge of purple. Begins to ripen quite early and continues until frost. Flesh very firm, has a tough skin, making a good shipper. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$1.85.

Yellow Pear.—A yellow pear-shaped variety used very extensively for preserving. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., 90c; lb., \$2.50.

Golden Queen.—Best of all the large yellow-skinned varieties. Fruit solid and of the best quality. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c.

New Coreless.—This variety was introduced in 1908 and is one of the most popular of recent introduction. It is almost round, being about the same diameter each way. There is little or no depression at the stem, making it very economical for all uses. It is very productive and fruits in clusters sometimes six or more fruits being produced at close intervals along the stems. It averages large in size, sometimes an individual tomato weighing twelve ounces or more. It is so free from core that it is entitled to be called coreless. One of the best varieties for slicing. Its color is a very brilliant rich red. On account of being so solid it is excellent for long shipping. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.00.

White's Excelsior.—By many this is considered the best of the purple tomatoes; vines are large, strong growers. Bear great crops and continue fruiting until frost. The fruit is large, smooth, and nearly solid, with but few seeds. Color is a dark glossy or purple-red.

Ripens evenly around the stem with no green spots or hard core. Stands up well in shipping. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

Magnus.—An excellent variety for growing on stakes and one of the most productive. This is a purple fruit variety and is one of the most popular and most productive ever introduced. It matures quickly and may be planted for a medium early crop. The fruits that set on the vine first mature quickly and vines keep in bearing until frost, making it extremely valuable for the market gardeners. It ripens very evenly and does not crack around the stem and the flavor is all that can be desired. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., 85c; lb., \$3.00.

TURNIPS

Culture.—For early Turnips, sow as soon as the ground is warm enough in the spring. For winter use, sow from the middle of July to the end of August. The seed is generally sown broadcast, but larger crops are obtained, particularly of the Ruta Baga, by cultivating in drills 18 inches apart and thinning to 6 inches apart in the drills.

One ounce will sow 150 feet of drill; 1 pound of seed to the acre in drills; 2 to 3 pounds to the acre if sown broadcast.

Early Purple Top Milan.—Earliest of the flat turnips, with beautiful purple top. Mild and sweet, very desirable. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Early White Globe.—A splendid early globe-shaped, pure white variety. Larger than the Milan. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.



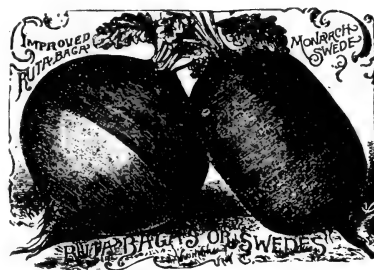
Purple Top Strap Leaved.—More largely grown than any other variety. Of good quality and very productive. Excellent for both table and stock. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 40c.

Purple Top White Globe.—In quality and productiveness it is very much like the Purple Top Strap Leaf, except in shape. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 40c.

RUTA BAGA.

Monarch.—A very large tankard-shaped root, purplish-crimson above ground, yellow below; meat yellow. Fine grained and good flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 45c.

American Purple Top.—One of the very best for both table use and stock. Is globe-shaped,



small-necked and a very heavy cropper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 45c.

TOBACCO

Connecticut Seed Leaf.—One ounce will produce plants enough for an acre. The old standard, well-known variety. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Havana.—A heavy cropper of fine texture and flavor much used for cigar making. Pkt., 5c; oz., 20c.

OKRA

Is cultivated for its fruit-pods which are used in soups, stews, etc. In soups and catsup it gives body to the dish, and while at first is not agreeable to the taste, it is one that is easily acquired and many are very fond of it. It is largely used in canning with tomatoes, and can be dried and canned for winter use. For shipping, cut the stems an inch or so long, so as to prevent the wilting in transit.

Culture.—Sow late in the spring after the ground has become warm, in drills 3 feet apart, thinning out to from 9 to 12 inches apart in the row. For keeping, they should be picked while still small and tender.

One ounce will plant 100 hills.

Perkins' Mammoth Long-Podded.—Its productiveness is simply wonderful. The pods shoot out from the stalk within 3 inches of the ground, and the whole plant is covered with them to the extreme height of the plant. The pods are an intense green color, of unusual length, 8 to 9 inches, very slim, and do not get hard, as in the case with other Okras. It is also much sought after by canners, being the best of all green sorts for canning for winter use. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 70c.

ONION SETS



White Bottom Sets.—Qt., 20c; pk., 80c; bu., \$3.25.

Red Bottom Sets.—Qt., 20c; pk., 75c; bu., \$2.90.

Yellow Bottom Sets.—Qt., 20c; pk., 75c; bu., \$2.90.

White Multiplier Sets.—Qt., 30c; pk., \$1.25; bu., \$4.25.

Perennial or Winter Sets.—Qt., 15c; pk., 75c; bu., \$2.25.

Not prepaid at above prices.

HERBS.

Caraway.—Pkt., 5c; oz., 10c.
 Dill.—Pkt., 5c; oz., 10c; lb., 60c.
 Lavender.—Pkt., 5c; oz., 25c.
 Sage.—Pkt., 5c; oz., 15c; lb., \$1.40.
 Summer Savory.—Pkt., 5c; oz., 10c; lb., 30c.
 Thyme.—Pkt., 5c; oz., 20c.

HERB PLANTS.

Hop Roots.—Doz., 35c; by mail.
 Lavender.—Each, 15c; 3 for 40c; doz., \$1.25, prepaid.
 Sage.—Each, 15c; 3 for 30c; doz., 75c, prepaid.

VEGETABLE PLANTS AND ROOTS.

Asparagus is so easily grown that a bed should be found in every home garden.

	Doz.	100	1000
Conover's Colossal.....	\$.25	\$1.00	\$5.00
Palmetto .....	.25	1.00	5.00
Columbian Mammoth.....	.30	1.25	6.00

Chives.—Clump of roots. Each, 15c, mail; doz., \$1.00, by express.

Horse Radish.—Doz., 15c; 50, 50c; 100, 75c, prepaid.

Garlic.—Per lb., 40c, postpaid; 10 lbs., express, \$1.90.

Rhubarb Roots.—Divided roots. Each, 15c; doz., \$1.50, postpaid. Clumps, each, 25c; doz., \$2.50, express.

Cabbage Plants.—Early varieties. Ready about April 15th. Price, 12 for 15c; 50 for 40c; 100, 75c, prepaid. By express, 100 for 50c; 1,000, \$3.50.

Cabbage Plants.—Late varieties. Ready about May 10th. Price, 12, 15c; 50, 40c; 100, 65c, mail; 1,000, express, \$2.50.

Celery Plants.—Ready May 1st. Doz., 20c; 100, 75c, prepaid; 100, by express, 60c; 1,000, \$4.00.

Egg Plants.—About May 1st. Doz., 25c; 100, \$1.25, mail.

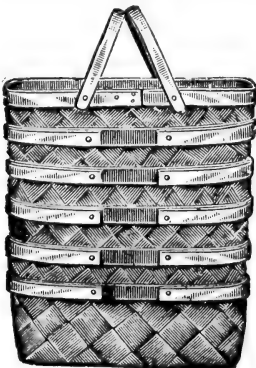
Pepper Plants.—About May 1st. Doz., 25c; 100, \$1.00, mail.

Tomato Plants.—Ready May 1st. Transplanted plants. Doz., 25c; 100, \$1.40, mail; \$1.00 per 100, \$6.00 per 1,000, not prepaid.

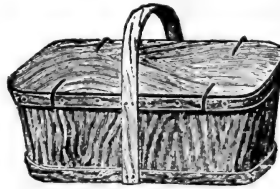
Not transplanted, by express, per 100, 75c; per 1,000, \$3.50.

Ground Cherry.—Doz., 25c; 100, \$1.25.

Sweet Potato Plants.—Yellow Jerseys. Price, 100, 50c, mail; by express, 100, 35c; 1,000, \$2.50.

FRUIT GROWERS' SUPPLIES

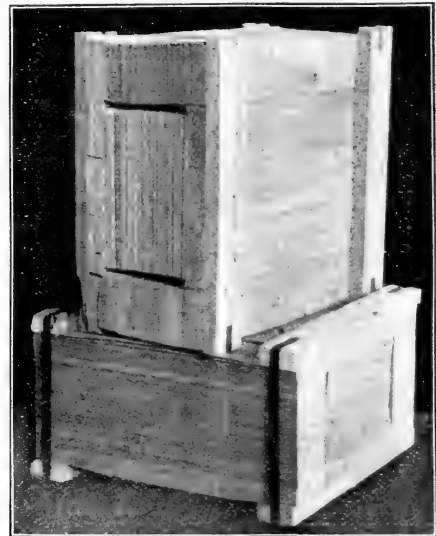
Diamond Market Baskets—Come nested as shown in the illustration. Are used extensively by market gardeners and fruit growers, also used in shipping fancy eggs. Price, per doz., 50c; per 100, \$4.50.



Climax Grape Basket.—The most popular basket in which to ship grapes, cherries, plums and other fruits. Nested for shipment. Fasteners for covers and tacks for handles furnished

without additional cost. Price, 10, 50c; 25, 90c; 100, \$3.00. Lower prices in larger lots.

Berry Box Material.—We handle the Hallock style, $4\frac{1}{2} \times 4\frac{1}{2} \times 3\frac{3}{4}$, holding a wine measure quart. This is the box most used in this section of the country, and is cut from white pop-



lar or white wood, only the best material being used. It will retain its shape while elm, gum, or basswood warps badly. Put up 500 in a bundle. Price, per 100, 40c; per 1,000, \$3.25; 5,000 or more at \$3.00 per 1,000.

Crates.—The only style of crate suitable for the Hallock style of box. Shipped in the flat. Easily put together. Tight cover for top. Sides open slightly for ventilation. 24 qt. size, 10c each or \$9.50 per 100.

Annealed Tacks.—Per lb., 25c; 5 lbs., \$1.00.

Water's Tree Pruner.—The standard make; with 6 ft. pole, 85c; 8 ft. pole, \$1.00; 10 ft. pole, \$1.20.

Improved Hand Pruning Shears.—The best hand shears on the market. Made specially for pruning berry or rose bushes, grape vines, etc. Made of best steel, 8 inches long, spiral spring. Price, 75c; postpaid, 90c.

Wilkinson's Hedge Shears.—The best hedge trimmer that we know of. Prices, 10-inch blade, \$3.00; 12-inch blade, \$4.00.



In the handling of farm seeds it is necessary that the greatest care be exercised in every way, to be sure that seeds are kept pure, and that a customer receives what his order calls for.

It is our aim to supply the best farm seeds obtainable. Our cleaning machinery is of the best, and we have all orders filled by our most competent and careful helpers. Be sure to advise us immediately on receipt of order if goods are not satisfactory. We will try to adjust it to your entire satisfaction.

SEED CORN

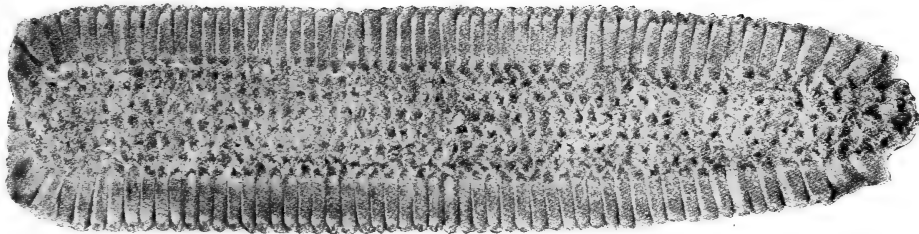
No crop is of greater importance to the western farmer than the corn crop. It is very essential that he should have the very best of seed, and the best variety for his particular locality. We do not list a large number of varieties, but do handle the best varieties for Iowa, and the adjoining states. We claim our seed corn to be equal to that of any seedsmen in the country, and far superior to that sent out by many dealers. We advise ordering early, as we fear we may run out long before the season for planting is over. By planting our graded seed, you will secure so much more of a uniform stand, that your crops will be materially increased.

Pride of the North.—For a quick maturing variety, either for the north, or for late planting, this is one of the very best. It is a deep grained, yellow variety and will make a reasonably good yield. The cob is very small and shells out remarkably well. The stalks are strong and stand up exceptionally well. Our seed is very carefully selected and is of a superior strain. Cannot furnish this variety in the ear. Pk., 75c; bu., \$2.60; 2 bu. or more at \$2.50.

Longfellow Dent.—A remarkably heavy crop for an early variety. It matures in ninety days or about the same as Pride of the North, but is a better producer, the ears often measuring more than a foot in length. The grains are not so deep as the varieties that mature

later, but for late planting it is one of the very best and gives good returns. We highly recommend our selected stock. Pk., 75c; bu., \$2.65; 2 bu. or more at \$2.50 per bu.

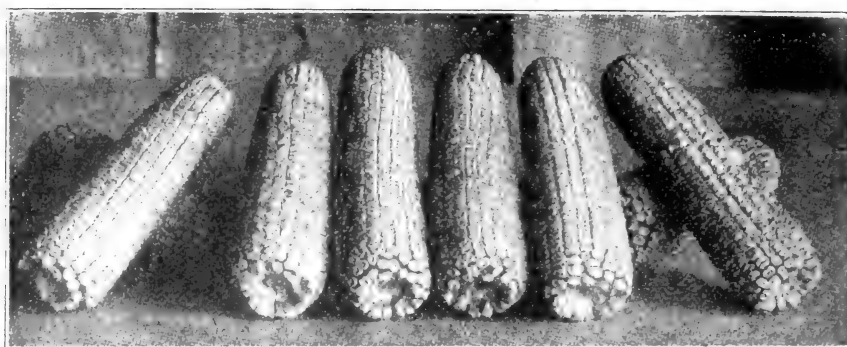
Farmers' Reliance.—A very early yellow variety, that is a general favorite where known. Matures almost as early as the Pride of the North, yields a much heavier crop, and not quite so rough grained as the Pride of the North. We know of no variety of recent introduction that we can more earnestly recommend than the Farmers' Reliance, when an early crop is wanted. It is a great success in northern Iowa, southern Minnesota, Dakota and Wisconsin. No better stock can be obtained from any dealer. Pk., 90c; bu., \$3.00; 2 bu. or more at \$2.75 per bu.



PROFIT (Notice depth of grain)

Profit.—One of the best varieties ever introduced for the stock feeder. The ears are large, deep grained and contain a larger per cent of protein than almost any other variety. If we were growing but one variety, and were to decide on yellow corn, it would be the Profit. It will produce a better crop on thin soil than

most varieties. Our seed has been so carefully grown and selected that it cannot fail to please you. In color it is not so deep a yellow as Gold Mine, but is a very handsome variety. If you have never grown the Profit, try it now. Pk., 90c; bu., \$3.00; 2 bu. or more, \$2.75 per bu.



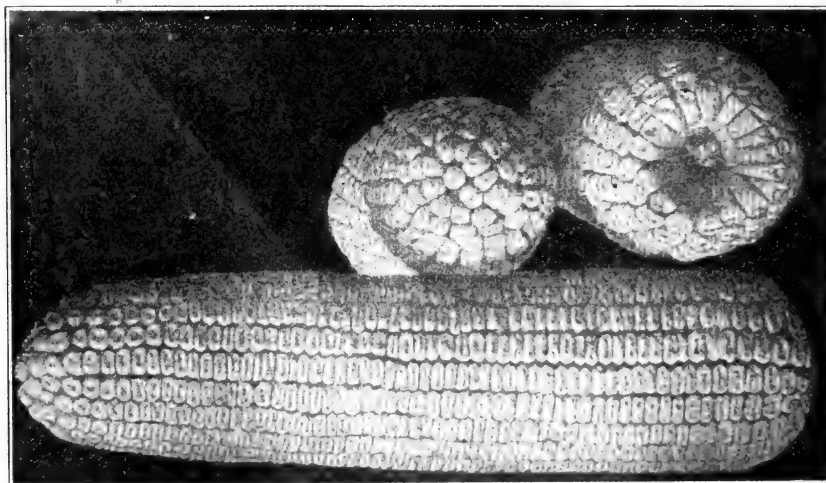
WYLIE'S GOLDEN DENT

WYLIE'S GOLDEN DENT.

Many of the most enterprising farmers have been looking for a good, deep grained variety of yellow corn that will produce a heavy crop and mature earlier than Reid's Yellow Dent. In Wylie's Golden Dent we have a variety meeting these requirements. The depth of the grain is surprising when the time required for it to mature is considered. The ears are of large size, many weighing one pound or more, cob small, kernel deep yellow, producing a beautiful appearance. It will mature about two weeks earlier than Reid's Dent, yields a much larger crop and has a greater feed value. The originator has been growing it for more than a dozen years, having in mind the producing of a better yellow variety than any now on

the market. We believe he has succeeded admirably in his undertaking. We are introducing it and have but a limited amount to offer. This has been most carefully selected. Price in ear per pk., \$1.25; bu., \$3.50. Shelled, per pk., \$1.00; per bu., \$3.00.

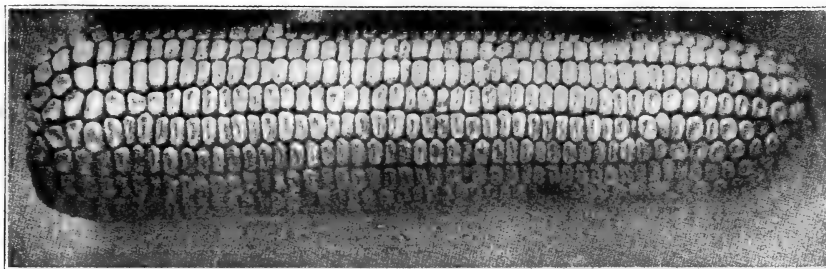
Reid's Yellow Dent.—No variety of corn has been so extensively advertised as Reid's Yellow Dent. It is so uniform in type that it has become a general favorite with many farmers. The ends are well filled, and it makes a fine appearance in the show room. The only serious objection to it is that of a short season; it does not always mature. Our stock is carefully selected and tested and sure to give satisfaction. Pk., 75c; bu., \$2.75; 2 bu. or more at \$2.60 per bu.



REID'S YELLOW DENT

Iowa Gold Mine.—One of the best known and most popular of the pure yellow varieties. Ears of medium size, very uniform and very deep grained. The loss in shelling is less than any other variety. It is a favorite with feeders throughout the West, and many feeders will

pay a premium for Gold Mine when buying for feeding. It gives the best results throughout the entire corn belt. Our stock is guaranteed to be true to name and from selected seed. No better strain can be secured from any source. Pk., 90c; bu., \$2.90; 2 bu. or more at \$2.75 per bu.



IMPROVED LEAMING

Improved Leaming.—One of the old standard, deep yellow varieties. It somewhat resembles Reid's Yellow Dent, but is more tapering at the point, and perhaps a deeper yellow. It produces so heavy a blade that it is one of the most valuable for fodder or ensilage. Many farmers want a new stock of this variety and we can furnish you with stock true to name and of the highest vitality. Pk., 75 c; bu., \$2.40; 2 bu. or more at \$2.25 per bu.

Iowa Silver Mine.—This is unquestionably the best variety of white corn for the middle west and produces a larger crop over a greater range of territory than any other variety. It will produce a splendid crop in the southern states, where but few varieties are a success. It will also produce a much better crop on a thin soil than almost any other sort. Stalk is of medium height, ears 10 to 12 inches long; very uniform in type; very deep grained and shells an unusually large percentage. Both grain and cob are pure white. Our seed is grown from choice selected seed and is of the true type. Matures in about 100 days. Pk., 75c; bu., \$2.40; 2 bu. or more, \$2.25 per bu.

FODDER CORN

Evergreen Sweet Fodder Corn.—On account of the high price of Kaffir corn and cane for fodder, we anticipate a large demand for sweet corn for fodder purposes. It is a very valuable feed and much used by dairymen. Also excellent for hogs and other kinds of stock. It is remarkable how much can be grown on an acre of ground. Should be sown thickly in drills or broadcast at the rate of about two bushels per acre. Price, bu., \$2.00; 2 bu. or more, \$1.85 per bu.

KAFFIR CORN

A most valuable crop to grow both for fodder and grain. Does not require the best of soils and withstands drouth exceedingly well. If cut when seed heads first come in bloom, a second crop will come on. The stalks keep green and are brittle and juicy, making excellent fodder, either green or dried, which is highly relished by cattle, horses and mules. The seed crop is also heavy. For the grain, sow in rows 3 feet apart; 4 to 5 lbs. of seed to the acre. For fodder sow one-half bushel to one bushel, either broadcast or in drills. Price, bu. (56 lbs.), \$1.50; 2 bu. or more at \$1.40 per bu.

CANE or SORGHUM

Early Amber.—No other crop has proven so

valuable to the dairyman, and many farmers are growing it quite extensively for stock of all kinds. It can be sown any time from April until July. The usual quantity sown per acre is 100 lbs. We do not know of any other crop that withstands unfavorable conditions better than cane. Its feeding value ranks higher than almost any other crop. Per lb., 20c; 3 lbs., 45c; by freight, 10 lbs., 60c; 25 lbs., \$1.00; 100 lbs., \$3.25.

BUCKWHEAT

Japanese.—Considered the most productive and most profitable of any variety. Earlier than the Silver Hull. Very rank grower. Pk., 50c; bu., \$1.60; 2 bu. or more at \$1.50 per bu.

Silver Hull.—Perry of a lighter color than the Japanese and has a thinner hull. Pk., 50c; bu., \$1.60; 2 bu. or more at \$1.50 per bu.

SPELTZ

Speltz or Emmer.—The plant resembles barley in appearance and growth, but heads and grains are larger. When threshed the grain very much resembles barley, but when husk is removed is somewhat similar to rye. It yields immensely and makes an excellent feed for stock of all kinds. Is especially good for poultry. It is being raised extensively by dairymen who feed it without threshing and claim it to be a great milk producer. Being extremely hardy, and a great drouth resister, it is being planted more extensively as it becomes better known. The U. S. Department of Agriculture recommends it very highly. Sow very early in the spring. Two bushels is the quantity required per acre. Pk., 50c; bu., \$1.25; 2 bu. or more at \$1.10 per bu.

FIELD PEAS

Field peas are being planted more extensively each year, as their value for feeding and as a fertilizer are better known. If to be grown for feed it is advisable to sow about two bushels each of oats and field peas together. If for fertilizer to be plowed under sow peas alone.

Scotch Beauty.—A very productive blue pea of exceptional feeding value. Per pk., \$1.00; bu., \$2.90.

White Canada.—Better known than any other variety; very prolific. Pk., 60c; bu., \$2.25; 2 bu. or more at \$2.10 per bu.

Whippoorwill Cow Peas.—It is claimed to be more valuable as a fertilizer than the field peas and has a greater feeding value. Pk., \$1.00; bu., \$3.50; 2 bu. or more at \$3.25 per bu.

BROOM CORN

Improved Evergreen.—Light green color, brush long, strong and straight. We consider this the very best variety of broom corn either for home or general planting. Lb., 25c by mail; 12 lbs., by freight or express, 60c; 50 lbs., \$1.90.

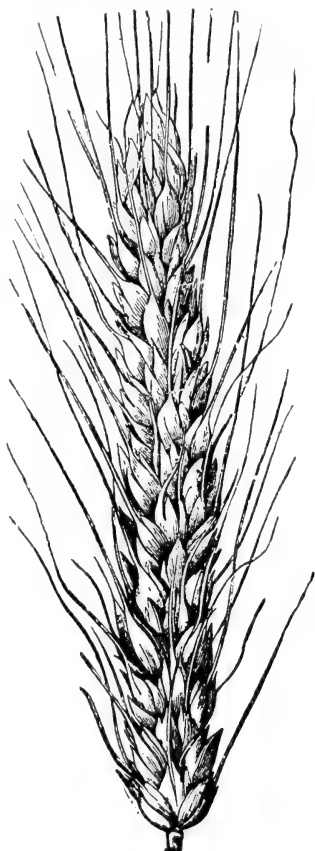
Dwarf.—Very desirable on account of heads being very bushy. One lb., 25c; 12 lbs., 75c, 50 lbs., \$2.50.

WHEAT

Early Java.—An excellent early variety that has been grown quite extensively throughout Iowa the past few years and is giving the best of satisfaction. is some earlier than Velvet Chaff. Reports of from 25 to 35 bushels per acre are not infrequently made. Pk., 60c; bu., \$1.65; 2 bu. or more at \$1.50.

Velvet Chaff or Blue Stem.—The best known spring variety, and one of the hardiest and most productive. Too well known to require further description. Pk., 60c; bu., \$1.65; 2 bu. or more at \$1.50.

Turkish Red, Improved.—The only winter variety we recommend for central Iowa. It is extremely hardy, produces immense crops of plump grains that command a high price with millers. Has produced over fifty bushels per acre at the agricultural farm at Ames, Iowa. Pk., 60c; bu., \$1.60; 2 bu. or more at \$1.50 per bu.



TURKISH RED

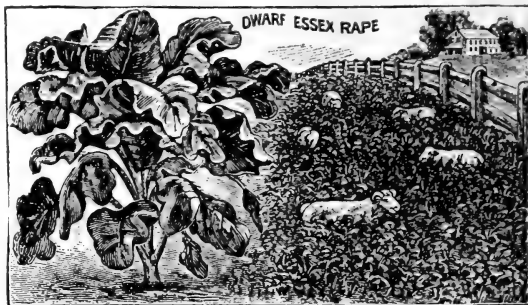
SOJA or SOY BEANS

This valuable forage and fertilizing plant is similar to clover in its habits of growth, but dissimilar in that it produces pods filled with nutritious beans, relished by all kinds of stock.

For pasturing or feeding as green fodder it is very valuable, and nearly equal to clover for fertilizer. Because of its erect habit of growth, they are far easier to harvest and cure than cow peas. A larger crop may be secured

by planting and cultivating like corn, cutting with a corn binder and curing in shocks.

They make a finer hay crop when sown broadcast about 1½ to 2 bushels per acre and harvested like timothy or clover. The best hay crop is secured by sowing with cow peas using half of each. The erect beans act as support for the trailing peas. Price, postpaid, lb., 25c; by freight, your expense, pk., \$1.00; bu., \$3.50.



Dwarf Essex Rape.—One of the most profitable of all forage crops and growing in favor each year with breeders of hogs and sheep, and is also very valuable for other kinds of stock. It can be sown any time from April until August. It is often sown in corn just before cultivating the last time and used for fall pasture for hogs and sheep. It requires from 3 to 5 lbs. per acre and will furnish pasturage throughout the summer. Price, 3 lbs., 75c, postpaid; 5 lbs., not prepaid, 60c; 10 lbs., \$1.00; 100 lbs., \$6.50.

SUNFLOWER

Mammoth Russian.—This is the largest and most productive sunflower in existence. Seeds are most excellent for poultry. It produces immense crops. Very profitable as a seed crop. Price, per lb., 25c, postpaid; 10 lbs., \$1.00; 25 lbs., \$2.00, by express or freight.

RYE

Monster Winter Rye.—Much superior to the common rye in feeding value and yields much larger crops. If sown early in the fall, it will produce a large amount of fall pasture. Can be sown profitably in spring for pasture only. It is a sure cropper if sown in fall. Pk., 40c; bu., \$1.25; 2 bu. or more at \$1.15.



WINTER RYE

OATS

Swedish Select.—This variety has produced immense crops of very heavy grain, stiff straw of medium height, and medium early. In many of the government tests the Swedish Select stands at the head of the list in yield, often producing 20 to 30 bushels more per acre than other varieties. It is one of the very best varieties for Iowa. Pk., 50c; bu., \$1.40; 2 bu., or more at \$1.25 per bu.

Silver Mine.—A very heavy cropper and one of the best for general crop for this section of country. Grain plump and heavy, straw stiff and stands up well, except on very rich, loose ground. A sure cropper. Pk., 35c; bu., \$1.10; 2 bu. or more at \$1.00.

Lincoln Oats.—A leading variety for Iowa and the west. By some farmers it is considered the very best for general crop. Our seed is Minnesota grown and of the highest quality. Pk., 40c; Bu., \$1.25; 3 bu. or more \$1.10 per bu.

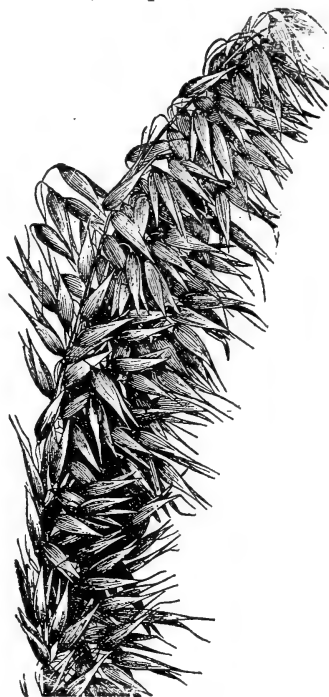
Early Champion.—The best early variety for Iowa and the central West. Will mature in from one to two weeks' less time than any other standard variety. Straw short, and will do better on a rich soil than most varieties, as it stands up well. Pk., 35c; bu., \$1.10; 2 bu. or more at \$1.00 per bu.

Success Beardless.—The best of the beardless varieties, very early, stiff straw and stands up remarkably well. On account of being without beards it is much more satisfactory to handle. Yields immense crops. If cut early it makes excellent hay. When allowed to ripen the grain is very valuable as a food for various kinds of stock. Pk., 50c; bu., \$1.40; 2 or more bu. at \$1.30 per bu.

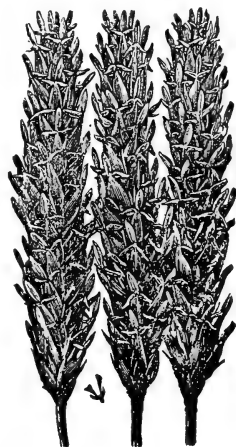
Manshury.—A bearded variety that has been more generally grown than any other and produces very heavy crops. It is claimed by many growers that it is the most profitable of all varieties on account of its productiveness. Pk., 50c; bu., \$1.40; 2 bu. or more at \$1.30 per bu.



SWEDISH SELECT



SILVER MINE



GRASS SEEDS

CLOVERS

Of all the grasses, clovers are of the greatest importance, on account of serving a three-fold purpose. It is one of the best for pasture, splendid for hay and invaluable as a soil maker. The various kinds are adapted to different soils and climates.



Medium Red Clover.—Surpasses all other clovers in our section of the country and is sown extensively in all parts of the U. S., except the south and arid west. We do not handle the low grades of seed, as they contain impurities that are detrimental to the land on which it is sown. It is far cheaper to buy the best grades, as they contain no waste matter. Two cuttings may be made each season. It is especially desirable for pasture and also for hay for dairymen. Be sure to write us for

samples and prices before you buy. Prices vary so greatly that we do not make prices in our catalog.

Mammoth Red.—Very similar to medium red, except it is much larger. As a fertilizer it is the best of all grasses. On account of being large and coarse, it is not so desirable for hay. Prices usually about the same as medium red. Ask for prices and samples when you are ready to buy.

Alfalfa.—Has long been the leading clover to grow in the West, especially in the irrigated districts, and sections where there is a deep, porous soil and subsoil. It has been demonstrated that it will do well in Iowa where the roots can penetrate to great depth. We do not recommend seeding it where there is a hard subsoil near the surface. If you have alluvial valley soil, with gravelly subsoil, don't fail to give alfalfa a trial. Alfalfa hay always commands a high price, and its great productivity makes it especially valuable. We handle but one grade of alfalfa, which is the best. Price quoted on application.

Alsike.—Is becoming more popular each year and is especially adapted to low, moist lands. It will produce a fine crop on land so wet as to kill out all other clovers. It makes an excellent pasturage for cattle. Is also good to mix with other grasses. Makes a good bee pasture. Eight to ten pounds per acre is sufficient. Prices and samples on application.

Crimson Clover.—An annual that produces heavy crops of excellent feed. Is not hardy in

this section, but can be sown successfully in the fall in the south. Fifteen to twenty pounds per acre. Prices on application.

White Clover.—Excellent for pastures and lawns. Comes on quickly and is extremely hardy. Requires only from five to seven pounds per acre. Is popular with beekeepers, as much of the honey is made from white clover. Fancy seed; per lb., 40c; 3 lbs., \$1.10, postpaid.

NOTICE.

On account of frequent changes of prices on clover seeds, we do not quote any prices in our catalog. We issue price lists frequently and request our customers to write us when ready to purchase and a price list will be sent, giving our very latest prices.

OTHER GRASSES

Kentucky Blue Grass.—Adapted to almost all sections of the country, and is considered one of the most valuable grasses for pasture. Our stock is fancy Kentucky-grown, and will give satisfaction. Sow about 14 pounds to the acre for pasture, for lawn about four times that quantity. Fancy cleaned seed, best obtainable; per lb., 35c., prepaid; 3 lbs., \$1, postpaid; per bu., 14 lbs., \$3.00, by freight.

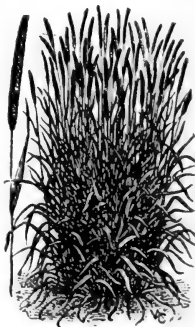
Red Top.—An excellent perennial, standing our climate well. Is adapted to low, moist lands, but does well on higher, well drained lands also. Makes a most excellent pasture, also good for hay when cut early. Best fancy, cleaned, solid seed; per lb., 35c, postpaid; 3 lbs., \$1; bu. of 14 lbs., \$3.

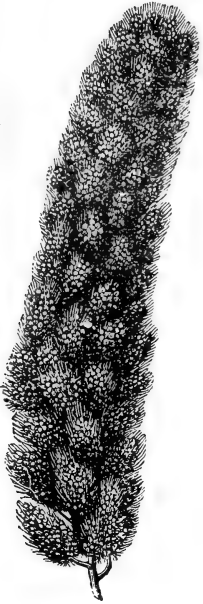
Perennial Rye Grass (or English Rye Grass).—A nutritious, permanent grass for meadows and pastures. Also used some in mixing with other grasses for lawns. Makes a quick growth and succeeds well in shady nooks as well as open ground. Can be sown either in spring or fall. Requires about 20 lbs. per acre. Price, 3 lbs., by mail, 60c; bu. of 14 lbs., by freight, \$1.60.

English Blue Grass or Meadow Fescue.—An extremely hardy grass that does well on almost all kinds of soils and produces early and late pasture. Is a great drought resister and endures cold winters well. Per lb., 30c, postpaid; per bu., 14 lbs., \$3.25.

Orchard Grass.—A very desirable pasture grass coming on early in spring and continuing late in the fall. Of great value to dairy farmers. Grows well in shady places as well as in the open. Per lb., 35c; 3 lbs., \$1, postpaid; bu. of 14 lbs., \$2.75.

Timothy.—Of the natural grasses, timothy stands at the head of the list. It is grown over a larger territory than any of the other grasses for hay, and is more sought after in the east and middle west than any other. Our stock is the best that can be had, and will stand the closest scrutiny. It is all re-cleaned and tested for purity and germination. Prices and samples on application.





German or Golden Millet.—We consider this the best of the millets for feeding purposes. Sow from $\frac{3}{4}$ to $1\frac{1}{4}$ bu. per acre, depending on the fertility of the soil and whether wanted for seed or hay. If for seed it requires only about half the quantity of seed required as if for hay. If a fine quality of hay is wanted, do not be too sparing in your seeding. Fancy grade, pk., 50c; per bu., \$1.60; 2 bu. or more at \$1.50 per bu.

Japanese Barnyard Millet.—A most valuable forage plant, also a great hay producer. Is highly recommended for the feeding of dairy cattle. Can be sown as late as July. Sow 12 to 15 lbs. per acre. Pk., 35c; bu., \$2.75.

Bromus Inermis.—Said to be a native of Hungarian plains, and certainly stands the dry sections of the west the best of any of our grasses. Is extremely hardy and does well in the far north, as well as the south. Very desirable for hay as well as for pasture. Produces very heavy crops and is a success where most other grasses fail. Fifteen to 20 pounds is sufficient for one acre. Per lb., 25c; 3 lbs.,

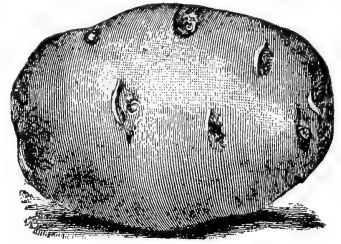
Pk., 40c; bu., \$1.50; 2 bu. or more at \$1.40 per bu.

POTATOES

Bliss's Triumph.—One of the earliest varieties in existence, and especially desirable for southern planters. Our stock is unusually fine and will please the most exacting customer. Tubers are of medium size, round and of a pink color. Pk., 50c; bu., \$1.75; 5 bu. or more at \$1.65.

Early Ohio.

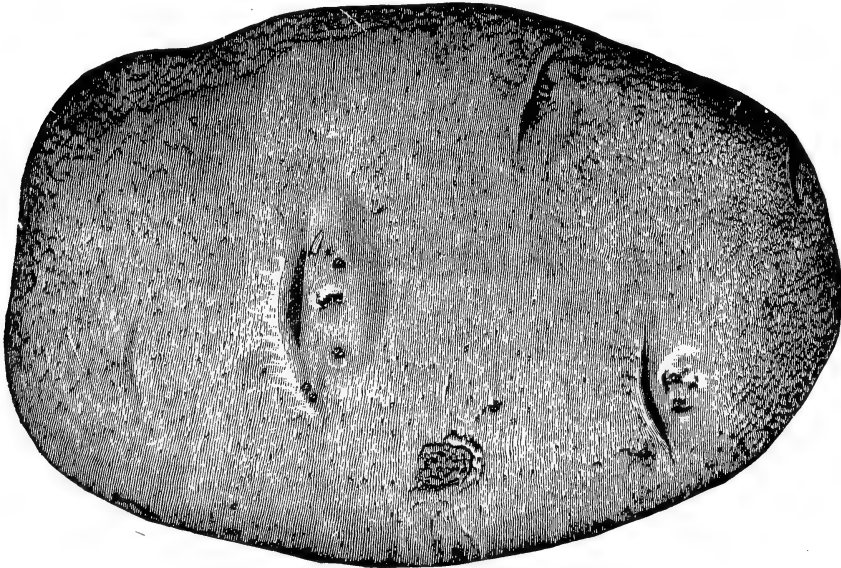
—Northern grown. It is a recognized fact that potatoes can be grown more successfully in sections of Minnesota and Dakota, than in almost any other part of the West. They are smooth, free from scab, and mature earlier than native grown stock. Our stock is extra fine this year. Pk., 50c; bu., \$1.75.



Early Ohio.—Iowa grown. Choice stock, smooth and uniform. Pk., 40c; bu., \$1.50.

Rural New Yorker No. 2.—A very productive variety of large size, smooth skin, white and very attractive. Quality good. It is considered by many potato growers to be the most profitable for commercial purposes. Pk., 50c; bu., \$1.60; 5 bu. or more at \$1.40 per bu.

Carman No. 3.—A most excellent variety, both for the home garden and for commercial purposes. Tubers, large, smooth, and of su-



65c, postpaid; per bu. of 14 lbs., \$2.25.

Common Millet.—Excellent for hay and does not grow quite so rank as the German variety.

perior quality. It is too well known to need further description. Pk., 50c; bu., \$1.50; 5 bu. or more at \$1.40.

**AGERATUM.**

Ageratum Mexicanum.—Blue, feathery flowers in clusters, bloom from early spring until late fall. Height 12 to 18 inches. Mixed pkt., 5c.



Dwarf Blue.—Fine for ribbon border. Pkt., 5c.

Dwarf White.—Same as above except in color. Pkt., 5c.

AMARANTHUS.

Splendens.—The finest of its class with leaves of most brilliant colors. The colors are especially brilliant if grown in rather poor soil. Pkt., 5c.

AQUILEGIA OR COLUMBINE.

Courulea.—(Rocky Mountain Columbine; 3 feet.) One of the most beautiful of American flowers. Sepals deep blue, petals pure white. Pkt., 10c.

ABRONIA.

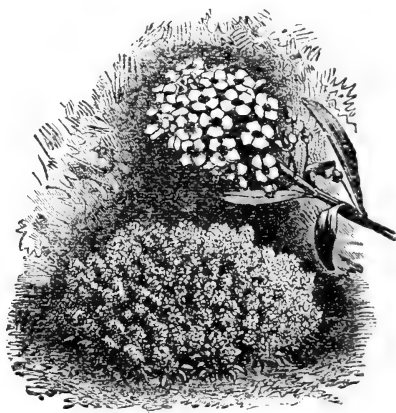
Very pretty trailing plants with clusters of

Our flower seeds are as carefully selected as other seeds we handle, and we do not believe it is possible for any seedsman to furnish better seeds than we offer. We import a portion of these seeds direct from the European growers. The others are raised by specialists in their line.

sweet scented flowers. Rosy lilac with white eye. Pkt., 5c.

ALYSSUM.

Little Gem.—Plants very dwarf, 3 to 4 inches high, each plant covering a circular space 12 to 20 inches in diameter. Soon becomes one mass of white flowers. Pkt., 5c.



Alyssum Maritimum.—Favorite for borders, blooms profusely throughout the season. Pkt.,

ANTIRRHINUM.

(Snap-Dragon.)

Antirrhinum is undoubtedly one of the best flowers for cutting, can readily be grown from seed. If flowers are cut freely will bloom until late fall. Choice mixed, pkt., 5c.

Queen of the North.—The plants grow into handsome, regular bushes, covered with large white flowers, deliciously sweet. Used either for bedding or pot culture. Pkt., 10c.

Fireball or Defiance.—A dazzling scarlet. Plants bloom all summer and fall. Pkt., 10c.

ASTER

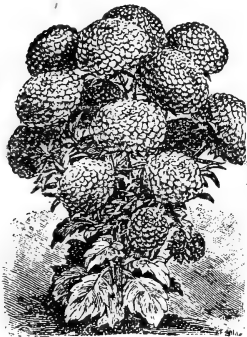
The Aster is of easy culture and very popular. Plants from seed sown in the open ground in May bloom finely in September and October. For July and August flowers, sow in March or April in cold frame, spent hotbed, or pots or boxes in the house. Cover the seeds about half an inch deep, with rich, light soil, and when the plants have three or four leaves, transplant about 18 inches apart each way into well-prepared beds. Manures too fresh or used in too large quantities sometimes induce disease in Asters. When used, they should be thoroughly well decayed and mixed with soil. Small quantities of unslaked lime or fresh wood ashes stirred into the surface of the Aster beds form good tonics for the plants and keep disease and insects from the roots. One of the best annuals for cut flowers.

VICTORIA ASTERS. (German Grown.)

Magnificent flowers, massive and showy, height about 18 inches.

Snowwhite	Pkt., 10c
Lavender	Pkt., 10c
Dark Blue	Pkt., 10c
Bright Pink	Pkt., 10c
Victoria Mixed	Pkt., 10c
One pkt. each of above five varieties, 40c.	

TRUFFANT'S PEONY-FLOWERED ASTERS.



Plants grow about 18 to 24 inches high, long stems, flowers 3 to 4 inches in diameter.

Royal Purple. Pkt.,	10c.
Pure White. Pkt.,	10c.

Truffant's Splendid Mixed. Pkt., 10c.

Truffant's Dwarf Mixed. Pkt., 5c.

GIANT BRANCHING ASTERS.

Beautiful asters for cut flowers:

White	Pkt., 5c
Lavender	Pkt., 5c
Purple	Pkt., 5c
Mixed, all colors.....	Pkt., 5c

Daybreak.—Flowers very large and double, of a beautiful shell-pink color. This is a grand aster for cutting purposes, growing 2 feet high. The best late market aster of its color to date. Pkt., 10c.

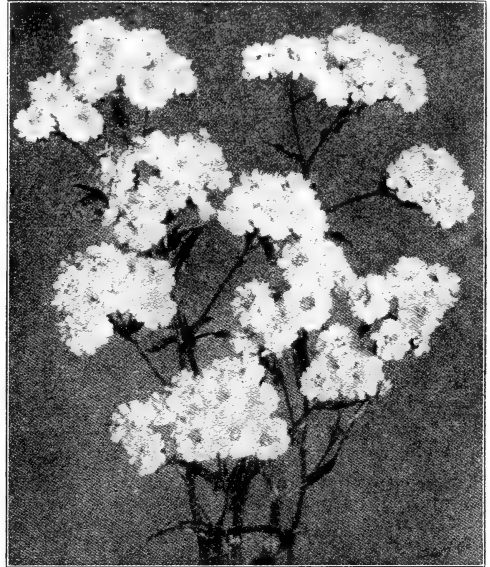
Purity.—One of the most beautiful of the branching asters. Double flowers of glistening pure white; similar to Daybreak in form and habit of growth. Pkt., 10c.

Lavender Gem.—When first opened the flower is an exquisite shade of delicate lavender, deepening with age; always full, double and feathery, looking like a huge ragged chrysanthemum. Plant erect, branching close to the ground, flowers borne in profusion on long, slender, wiry stems. In season it comes between Queen of the Earlies and Daybreak. To florists the value of Lavender Gem can scarcely be overestimated. Pkt., 10c; 3 pkts., 25c.

ACHILLEA.

The Pearl.—The great cemetery plant. A single plant of Achillea will produce hundreds of flowers the first season, but when well estab-

lished they frequently have more than five hundred perfect flowers on the plant at one time. It commences to bloom early in July, and is a perfect mass of beautiful pure white double flowers during the balance of the season. Pkt., 10c.



ACHILLEA

Brachycome.—Free flowering dwarf growing annuals, covered the greater part of the summer with beautiful flowers. Suitable for edging small beds or pot culture. White. Pkt., 5c.

BALSAM.

A native of India, the garden Balsam loves hot sun, rich soil and plenty of water. The young plants are quick, sure growers and, from seed sown in the open ground in May, soon form handsome bushes thickly massed with large, rose-like flowers. Transplanting two or three times has a tendency to dwarf the plants into better shape and to make the flowers more double.

Royal Camellia-flowered, Prize Mixed.—A fine strain of very double flowers of exquisite shades. Pkt., 10c.

Improved Camellia Pure White (alba perfecta).—A really pure white, very, double balsam has long been a desideratum both for the private planter and the practical florists. Our stock of this grand acquisition is absolute perfection in snow-white color, size of bloom, doubleness and symmetry of plant. Packet, 10c.

Dwarf Double Mixed.—Packet, 5c.



Centaurea Cyanus.—(Bachelor's Button.) Very free-blooming hardy annual; also called Blue Bottle, Ragged Sailor, Korn Blume, etc. Mixed colors. Pkt., 5c.



Double Blue Cornflower.—This is identical in color to the popular single blue variety, which is so much in demand for cutting, especially for boutonniere, but, being a full double flower, it takes fewer of them to make a nice bunch, and is better in every way. Pkt., 10c.

Double White.—Like above, but almost pure white. Pkt., 10c.

Double Cornflower, Mixed.—Contains many shades not found in the single Bachelor's Buttons. Pkt., 5c; oz., 25c.

CALIFORNIA POPPY.

(See Escholtzia.)

CALLIOPSIS.

(Also called Coreopsis.)

Handsome and showy plants of the earliest culture and bloom until cut down by frost. Height 8 to 10 inches. Produces flowers in nearly every shade of yellow, orange, crimson and brown; fine for cut flowers. Mixed, all colors, single. Pkt., 5c.

CACALIA.

Cacalia or Paint Brush.—Little brush-shaped flowers which nearly cover the plant. An old favorite. Mixed colors. Pkt., 5c.

CALENDULA.

(Or Pot Marigold.)

Excellent for bouquets. A hardy annual about a foot high, showy and free-flowering, grows in any garden soil, blooms until killed by frost. Mixed, all colors. Pkt., 5c.

CANDYTUFT.

Hardy annual grows in any soil, blooms all summer.

Giant Empress.—The finest of all white varieties, bearing a complete mass of pure white flowers in a pyramid of bloom. Pkt., 5c.

Candytuft.—All colors. Mixed. Pkt., 5c.

CANNAS.

Cannas, all colors, mixed, including both tall and dwarf. Pkt., 5c.

CAMPANULA.

(Canterbury Bells.)

"Cup and Saucer" Canterbury Bells. Beautiful flowers, 3 inches in length, saucers 3 to 4 inches across. Plants form perfect pyramids of bloom, about 24 inches high, and they bear frequently 100 to 200 exquisite blossoms for weeks during the early summer. Mixed colors. Pkt., 10c.

CLARKIA.

This pretty and easily grown annual has been much improved in recent years, and the varieties offered below are now seen as cut flowers in most of the large cities. Do well in either sun or shade, about 2 feet high. All shades of brown and yellow. Mixed colors, single and double. Pkt., 5c.

COREOPSIS.

(See Calliopsis.)



COCKSCOMB.

Empress.—

Combs of colossal proportions, bright crimson, with rich, velvet-like appearance. Pkt., 10c.

COSMOS.

Early Dawn Mixed.—By planting this strain flowers may be had from August until frost. Of compact, bushy growth, about 4 feet high with flowers fully as large as the older sorts. White flushed rose. Very popular variety. Mixed colors. Pkt., 5c.



Lady Lenox.—A new orchid-flowering Cosmos having gigantic blooms of a delightful shell-pink color. Strong and vigorous grower, attaining a height of 6 to 7 feet; flowers may be cut with any length of stem up to 5 feet, and will last an unusual length of time in water. Pkt., 10c; oz., 60c.

CARNATIONS.

Bloom the first summer.

Marguerite Carnation, Imperial Dwarf.—These are deservedly the most popular carnations with the amateur, as they begin flowering in a few weeks from time of sowing. This



strain offered is of semi-dwarf, robust habit, requiring no artificial support and producing long, strong stems and an abundance of large, double, beautifully fringed, highly scented flowers.

Mixed, all colors, double.....Pkt., 5c.

Mixed, all colors, single.....Pkt., 5c.

CASTOR BEAN.

(Ricinus.)

Cambodgiensis.—Large, palm-like leaves of the darkest bronze maroon; stalk and stems nearly black; height 6 to 8 feet. Pkt., 5c; oz., 15c.

Zanzibariensis.—Largest of the castor oil plant family; very ornamental. Pkt., 5c; oz., 15c.

CUCUMBER.

(Wild.)

This is the quickest growing climber on our list. Will quickly cover an unsightly spot in the back yard. $\frac{1}{2}$ oz., 10c; pkt., 5c.

CYPRESS VINE.

One of the most popular vines, with very delicate, fern-like foliage, and masses of beautiful small, star-shaped flowers, about 15 feet high. Pkt., 5c.

Ivy Leafed Cypress.—A rapid climbing variety, with deeply-lobed, ivy-like leaves. Pkt., 5c;

DIGITALIS.

(Fox Glove.)

Stately plants with flower spikes, 2 feet or more in length. The thimble-shaped flowers in various colors are freely produced. Mixed, all colors. Pkt., 5c.

DIANTHUS.

(Hardy Garden Pinks.)

For beautiful and lasting cut flowers, easy of culture and freedom of bloom, the Hardy Garden Pinks have no superior among annuals. This variety may be sown out of doors when danger of frost is past, and in a few weeks' time they are a mass of bloom, continuing so until hard frosts cut them down.

Snowball.—Large, double white fringed flowers. Pkt., 5c.

Fireball.—Large, double flowers, rich velvety blood red, extra fine for bedding purposes. Pkt., 5c; mixed varieties, all colors, pkt., 5c.

DAISIES.

Snowball.—Double daisies will bloom the first summer and will continue to bloom for years if given slight protection during the winter. Pkt., 10c. Mixed, double daisies. Pkt., 5c.

SHASTA DAISIES.

(See Plants.)

DELPHINIUM.

(Or Larkspur.)



The hardy varieties are of bewitching beauty in the perennial borders or among shrubs. The brilliant flower spikes can be seen from a distance and are strikingly effective. If sown early many of the plants will bloom the first season. If the faded flowers are removed they will bloom almost continuously. Mixed, all colors, double and single. Pkt., 5c.

ESCHOLTZIA.

(California Poppy.)

Bright yellow poppy with fine fern-like foliage of beautiful green. Sow the seeds where the plants are wanted to bloom. Mixed pkt., 5c.

The Golden West.—Flowers $3\frac{1}{2}$ to 6 inches across, bright yellow and orange. Some are flat and wide open, some saucer-shaped, others very deep with flaring edges. In some the orange blotch almost suffuses the whole flower; in others it runs into the yellow in fine penciled lines. Large pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c.

Rosy Morn.—A distinct new shade. The rosy white petals are delicately channeled or fluted with tiny folds radiating from the center and richly adorned with a soft, primrose yellow hue, enhancing the beauty of this charming flower. Large pkt., 10c; 3 for 25c.

FORGET-ME-NOT.

(Myosotis.)

Oblongato.—A robust-growing, large flowering forget-me-not. It commences to bloom in from 6 to 8 weeks from sowing of seed and continues to bloom until checked by frost. The individual flowers are large and are borne in clusters on long, graceful stems, rendering them very useful for cutting. Color, bright turquoise blue with yellow eyes. Pkt., 10c.

Victoria.—Of bushy habit, bearing large umbels of bright azure-blue flowers. Pkt., 10c.

FOUR O'CLOCK.

(See Marvel of Peru.)

GALLARDIA.

Splendid showy annuals, remarkable for the profusion, size and brilliancy of flowers, continuing in bloom from early summer till November; excellent for cut flowers. Mixed, single, all colors. Pkt., 5c.

GOLDEN ROD.

Well-known yellow flower. Pkt., 5c.

GOURDS.

(Ornamental.)

These are rapid growing, interesting climbers, singular-shaped fruit. Mixed, pkt., 5c.

HELIOTROPE.

This is a great favorite with all flower lovers. Pretty flowers with most delightful fragrance, free bloomer. It is a splendid bedding plant as well as suitable for house culture. Seed sown in February or March, in the house, will produce large, flowering plants.

Mammoth Flowering Heliotrope.—A grand variety producing immense clusters of fragrant flowers. Pkt., 10c.

HIBISCUS.

Crimson Eye.—The immense flowers of pure white with a large crimson eye often measure 7 inches in diameter, and a plant will often have as many as fifty flowers. Blooms from seed the first year; sown in open ground. A perennial and lasts from year to year. Pkt., 5c.

HOLLYHOCK.

The hollyhock is among the most showy and beautiful of garden flowers. Just the thing for a screen or background for your flower garden. The seeds offered have been saved from the finest double flowers. Extra choice, double. All colors, mixed. Pkt., 5c.

HYACINTH BEAN.

A rapid growing climber, free bloomer. Good for covering arbors and trellises.

Soudan.—Brilliant rose,

Blooms all summer, pods are ornamental. Pkt., 5c.

HUMULUS JAPONICUS.

Japan Hop.—A rapid summer climber, producing a luxuriant foliage, making a dense covering. One of the very best vines for covering verandas, trellises, etc. Is not injured by heat, drouth or insects. Grows from 20 to 30 feet within a few weeks. Pkt., 5c; ½ oz., 25c.

ICE PLANT.

A pretty annual of drooping habit, useful for hanging baskets and rockwork; stands sun and drouth. The leaves have a waxy appearance, leaves feel cool to the touch and sparkle in the sun. Pkt., 5c.

Lathyrus Latifolius.—(Perennial Sweet Pea.) A hardy perennial climber, free flowering. Suitable for covering rough places and fences; 6 to 8 feet. Mixed. Pkt., 5c; ½ oz., 30c.

LANTANA.

Lantana Hybrida Mixed.—A nice perennial

plant for outdoor culture in summer. Also for house culture. Mixed, all colors. Pkt., 5c.

LAVENDER.

Well known sweet-scented plant. Should be extensively grown in mixed borders. Pkt., 5c.

MARVEL OF PERU.

(Or Four O'clock.)

A well-known, handsome, free-flowering garden favorite; does well everywhere; about 2 feet high. Mixed, all colors. Pkt., 5c.

MIGNONETTE.

A well-known fragrant favorite. No garden is complete without a bed of Mignonette; sowings made in April and again in July will keep up a succession of flowers from early summer till frost. Can also be grown in pots for winter and early spring flowers.

White Spiral.—Very long white spikes produced in great abundance; a most excellent cut flower. Pkt., 5c.

Bismarck.—Throws up numerous flowers. Massive spikes of sweet-scented, red flowers. Pkt., 10c.

MARIGOLDS.

Eldorado.—Immense flowers, 9 to 14 inches around; double, lemon, orange and golden shades. Pkt., 5c.



Special Mixed Marigolds.—Plants grow 2½ feet high and produce large double flowers of glowing colors in great profusion. Pkt., 5c.

LEMON VERBENA.

This plant is esteemed for its sweet-scented foliage. Comes easily and true from seed. Pkt., 10c.

LINUM.

Scarlet Flax.—An effective and showy bedding plant. Foliage finely cut and flowers a bright scarlet. Pkt., 5c.

LOBELIA.

Crystal Palace Compacta.—Hardy annual dwarf bedding plant. Dark blue flowers cover the whole plant during the entire season. Very compact and used extensively in carpet bedding or edging. Height 4 inches. Pkt., 15c; ¼ oz., 75c.

MOON FLOWER.

White Moon Flower.—Bears lovely white flower, 5 to 6 inches in diameter, with a five-pointed star in the center. Flowers open at dusk or earlier on cloudy days, at which time they are deliciously fragrant. Start seed in



the house and set out as early as safe from frost in spring. Pkt., 10c.

MORNING GLORIES.

The morning glory is too well known to need a description, but one seldom finds a more satisfactory vine. Best mixed. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c.

JAPANESE MORNING GLORY.

Great variety of colors, spotted, striped, etc. Leaves are very handsome; some ivy-like, some heart-shaped. Mixed colors. Pkt., 10c.



NASTURTIUM

A marvelous range of new colors has been developed in this favorite flower, which for three or four months of the season makes a better display than almost any other plant. No other annual will produce such a lavish profusion of flowers for so long a time with the same small outlay of time and labor. The maximum of bloom is produced in thin soils, and never flags through the hottest weather. In soils too rich leaves predominate and the plants are apt to rot off in wet weather, especially if standing too close.

DWARF NASTURTIUMS.

Empress of India.—A very compact growing sort, having purplish green leaves, flowers, fiery crimson. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c.

Golden King.—Rich, golden color. Pkt., 5c; oz., 15c.

King Theodore.—Dwarf. A velvety crimson-maroon, almost black; leaves are of the darkest green. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c.

Mixed Dwarf Nasturtiums.—A choice mixture at a very low price. You should plant this mixture very liberally. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c.

TALL NASTURTIUMS.

Regelianum.—Rich crimson, one of the best. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Princess Victoria Louise.—This is surely one of the most beautiful and remarkable varieties of climbing Nasturtiums. The large flowers are cream-white, with orange scarlet blotches, the calyx and the spur being of a pure orange-red. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Firefly.—A very distinct sort; foliage rich and dark; flowers rosy salmon, underlaid with bright golden yellow. The petals are beautifully marbled and striped carmine. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Chameleon.—On one and the same plant are found self-colored flowers, others stained and blotched on a clear ground, while others are broadly edged or banded with light or dark shades. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

King Theodore.—Tall, rich deep red, dark green foliage, free bloomer. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Jupiter.—Yellow. This variety is of strong running growth and bears large, rich, golden-yellow flowers of the finest form. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

Finest Mixed Climbing Nasturtiums. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c.

NIGELLA.

(Love in the Mist.)

Nigella.—A compact, free flowering plant, with finely cut foliage, curious looking flowers and seed pods, of easy culture, growing in any garden soil, blue and white mixed, about one foot tall. Pkt., 5c.

NICOTIANA.

Affinis Hybrida.—New splendid Hybrids in blue, red, rose, etc., shades. These magnificent new Hybrids have large flowers in many beautiful colors and brilliant shades and possess sweet fragrance. All above colors, mixed. Pkt., 10c.

ORNAMENTAL GRASSES.

These are most useful for winter bouquets; enormous quantities of them are annually grown in Germany and exported to the United States, where they are made up into bouquets with Everlasting Flowers. They are easily grown in any soil. Pkt., 10c; 3 for 20c.

PETUNIA.

For outdoor decoration or house culture few plants equal the petunia in effectiveness. Easily cultivated and a free bloomer. We have some very fine imported seed to offer.

Double Petunia.—Mixed colors. Very choice. Pkt., 25c.

Grandiflora.—Large flowering. Mixed, finest shade of color, beautifully veined, single pkt., 10c.

Howard's Star.—Round, bushy little plant; most of them have a star in the center, great variety of colors. Pkt., 10c.

Petunia Hybrida.—A very fine, mixed variety. Pkt., 10c.

Petunia.—Blotched and striped. Inimitable. Pkt., 5c.

PHLOX DRUMMONDI.

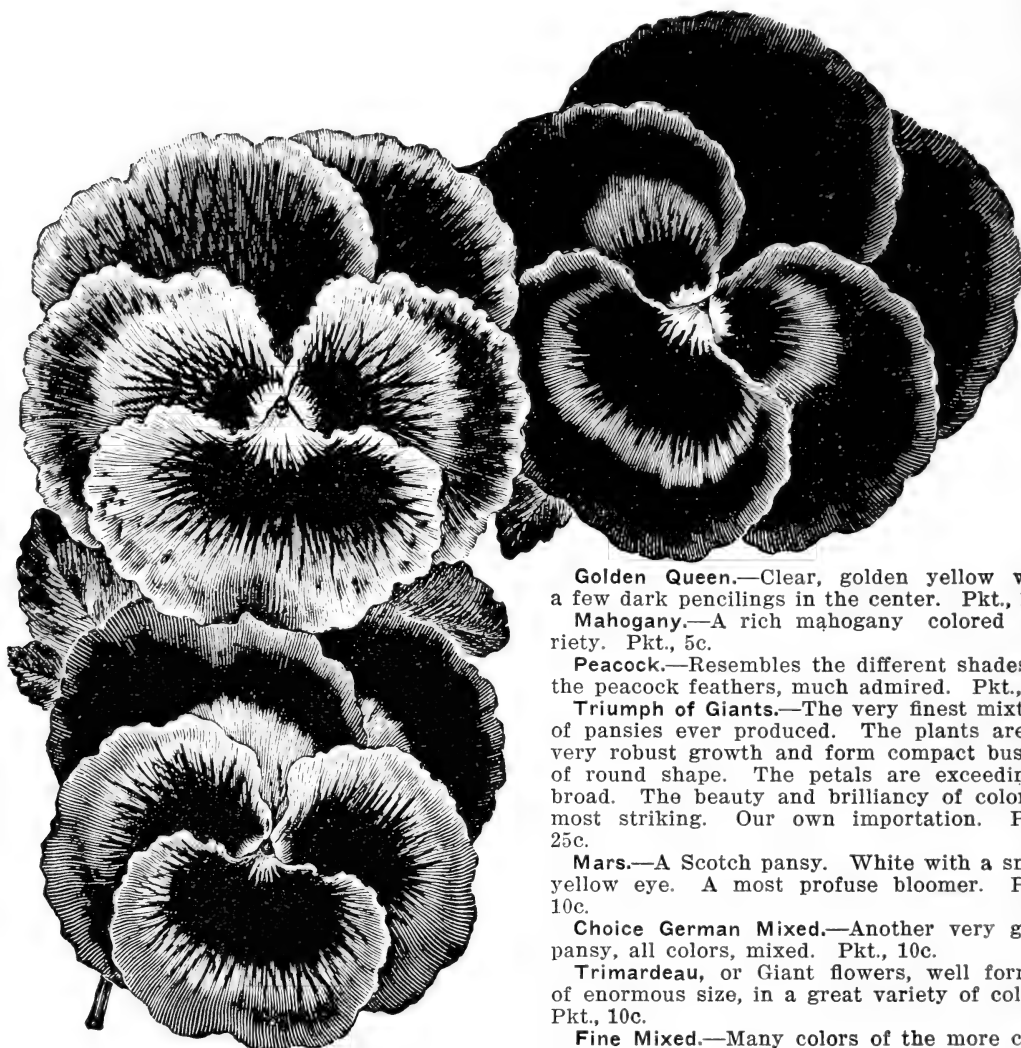
The annual phlox is a native of Texas, where it is called "Texan Pride." It is easily grown and a free bloomer; makes a very showy bed.



Mixed Phlox.—Large, flowering. Pkt., 5c.

Special Mixed Phlox.—A mixture of more than a dozen of the best varieties. Pkt., 10c.

Scarlet Phlox.—Intense glowing scarlet flowers. Pkt., 5c.



PANSIES

One of the most interesting classes of flowers grown. A bed of pansies in bloom always has something new for you in variety of color and marking, every time you visit it. Although they are in bloom continuously from early spring until late in the fall, the flowers are much larger during the cool weather than through the heat of summer. The seed may be sown in the hot-bed, in boxes in the house or in the open ground. If sown in the spring, get them in as early as possible so they will come into bloom before the hot, dry weather comes on. Seed sown in May or June will produce very fine flowers from August to winter. Sown later and slightly protected during the winter with leaves or other light litter, they will make strong blooming plants for spring.

We import pansy seed and have some of the very best German grown seed to offer.

Aurora.—Flowers large, pure white. Pkt., 10c.

King of Blacks.—A jet black of very large size. Pkt., 10c.

Emperor William.—A rich, metallic blue with purple eye. Pkt., 10c.

Golden Queen.—Clear, golden yellow with a few dark pencillings in the center. Pkt., 10c.

Mahogany.—A rich mahogany colored variety. Pkt., 5c.

Peacock.—Resembles the different shades of the peacock feathers, much admired. Pkt., 5c.

Triumph of Giants.—The very finest mixture of pansies ever produced. The plants are of very robust growth and form compact bushes of round shape. The petals are exceedingly broad. The beauty and brilliancy of color is most striking. Our own importation. Pkt., 25c.

Mars.—A Scotch pansy. White with a small yellow eye. A most profuse bloomer. Pkt., 10c.

Choice German Mixed.—Another very good pansy, all colors, mixed. Pkt., 10c.

Trimardeau, or Giant flowers, well formed of enormous size, in a great variety of colors. Pkt., 10c.

Fine Mixed.—Many colors of the more common varieties. Pkt., 5c.

Sweet Scented Pansy.—Has the fragrance of the violet. Pkt., 5c.

PORTULACA OR MOSS ROSE.

An old favorite. Flowers of the richest colors and are produced in wonderful profusion all summer.

Single Mixed.—Large, flowering sorts in fine mixture of colors. Pkt., 5c; oz., 40c.

Double Mixed.—Choice many shades, fine double flowering sorts. Pkt., 10c.

POPPY.

Annual Poppies should be sown as early as possible, where they are to remain. Few garden flowers excel the Poppy in popular favor. Double Poppy, mixed. Pkt., 5c.

Shirley Poppy.—Single, best mixed. These charming poppies range in color, extending from pure white through the most delicate shades, pale pink, rose and carmine to deep crimson. Pkt., 5c.



Admiral.—This single, peony-flowered Poppy is of surprising beauty. It is distinguished by large, round, smooth-edged flowers of glistening pure white, with a broad band of brilliant scarlet around the top occupying a full quarter of the corolla. These two colors form an extremely telling contrast. Pkt., 25c.

Orientele.—Enormous flowers of deep, flashing scarlet; entirely hardy anywhere. Perennial, 3 ft. Pkt., 10c.

CALIFORNIA POPPY.
(See Escholtzia.)

RICINUS.
(See Castor Oil Bean.)

SALVIA.

Splendens.—Gorgeous plants with numerous spikes of intensely vivid scarlet flowers, 10 to 12 inches in length. Continues to flower profusely all summer and fall. Easy of growth and should be in every garden. The most popular Salvia in cultivation. Pkt., 10c.

SCABIOSA.

Elegant cut flowers, keep long, are very handsome and the colors are exceedingly fine; some flowers are almost black. Mixed. Pkt., 5c.

SNAP-DRAGON.
(See Antirrhinum.)

STOCKS.

Extra choice, mixed, all colors, good mixture. Pkt., 5c.

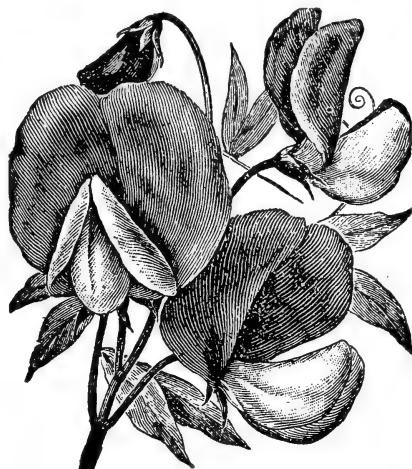
SUNFLOWER.
Double Sunflowers.

Globe of Gold.—Very ornamental. Grows erect, 4 feet high, and at each leaf-joint a short stem is terminated with a handsome double flower. Pkt., 5c.

SWEET PEAS

Every variety in our list is entitled to a place in the front rank of Sweet Peas, each being the best of its class. Everybody likes Sweet Peas, and they are grown with so little care and bloom so profusely, that even the smallest garden should contain a goodly supply. Try an ounce or more of our Gold Medal Mixed Sweet Peas, and you will have the finest assortment of colors you have ever seen.

Nora Unwin.—This takes front rank among the newest varieties of Sweet Peas. The flowers are a beautiful pure white, finely waved or fluted. It is of good substance, and very effective in appearance. Pkt., 5c; oz., 15c.



Gladys Unwin.—A very large and bold flower, not hooded, but with very striking upright, crinkled or wavy standard and broad wings. Color, a lovely pale rosy-pink. About 75 per cent of the long stems have four blooms; perfectly fixed and true in character. For market growers it cannot be surpassed, being just the lovely pink color which is so much in demand; a grand color; flowers of large size, and it is also a good grower. Pkt., 5c; oz., 15c.

Flora Norton.—A beautiful rich lavender, entirely free from any mauve or pinkish tinge. The flowers are large and of fine form; one of the most delicate and pleasing shades for florists' use as a cut flower. Pkt., 5c; oz., 15c.

Dorothy Eckford.—One of the best white Sweet Peas. Pkt., 5c; oz., 10c.

Emily Henderson.—White. Pkt., 5c; oz., 10c.
Maid of Honor.—White, edged with lavender. Pkt., 5c; oz., 10c.

Countess of Radnor.—Delicate lavender. Pkt., 5c; oz., 10c.

Earliest of All.—Bright pink, wings white. Pkt., 5c; oz., 10c.

Bridesmaid.—Bright pink. Pkt., 5c; oz., 10c.

Prince of Wales.—Bright rose. Pkt., 5c; oz., 15c.

King Edward.—Dark red. Pkt., 5c; oz., 15c.

Firefly.—Rich scarlet. Pkt., 5c; oz., 10c.

Othello.—Chocolate red. Pkt., 5c; oz., 10c.

Shasta.—Very large, pure white. Far superior to Emily Henderson. Pkt., 5c; oz., 15c.

SWEET PEAS.
(Mixed.)

Fine Mixed.—Oz., 5c; ¼ lb., 15c; 1 lb., 35c.

Gold Medal Mixed.—This is unquestionably one of the finest mixtures ever offered. We feel sure you will not be disappointed in our Gold Medal. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

VERBENA.

Mammoth.—This class produces unusually large flower trusses of the most beautiful colors. They embrace a wide range of colors. Pkt., 10c.

Defiance.—A true scarlet Verbena. Extra fine. Pkt., 10c.

Extra Choice Mixed.—A German collection. Pkt., 5c.

SWEET WILLIAMS.

Single MixedPkt., 5c

Double MixedPkt., 10c

ZINNIAS.

Curled and Crested Mixed.—The petals are twisted, curled and crested into the most fantastic and graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnia. Pkt., 5c.

Lilliput Zinnias Mixed.—Uncommonly pretty, thickly branching little plant, about a foot high. They fairly bristle with tiny, short stemmed, very double flowers, hardly exceeding a large daisy in size. They may be used with success in pots as well as for groups and edgings. Pkt., 5c.

LAWN GRASS SEEDS



One of the most essential features of the home grounds is a carefully made and well kept lawn. The ground should be well prepared, and in seeding care should be taken that a well balanced mixture of grasses is used, one that is composed of such varieties as will blend well together, thus securing a beautiful and healthy color throughout the entire season. Our **Perpetual Green Lawn Grass Seed** is unsurpassed in the production of a fine velvety lawn in a short time. One pound is sufficient to cover 300 square feet of ground.

Perpetual Green Lawn Mixture.—This is a combination of grass seeds, designed to produce the most beautiful lawn in the shortest time possible and one that will continue a rich, deep green throughout the summer. It is composed of the highest grade seeds, carefully recleaned and as free from weed seeds as it is possible to obtain. Our customers speak in the highest terms of our lawn grass seeds. Price, per lb., 35c; 3 lbs., \$1.00; 15 lbs., \$3.50. If to be sent prepaid, add 8c per lb. extra.

Special Mixture for Shady Nooks.—So often lawns are so much shaded as to make it difficult to produce a good turf with the ordinary lawn grass seeds. We offer our **Shady Place Lawn Mixture**, with the full assurance that it will give satisfaction in shady places, if the soil conditions are right. If heavy and sour, a liberal sprinkling of lime will help to sweeten the ground. Sow one pound to 300 square feet. Price, 40c per lb.; 3 lbs., \$1.00; 8c per lb. extra if by mail.

White Clover.—Used extensively for lawns. Comes on very rapidly and produces a heavy covering for the ground within a short time. Price, lb., 35c; 3 lbs., 90c; 8c extra if by mail.

Kentucky Blue Grass.—Fancy stock. Our blue grass is pure Kentucky stock. New crop and fancy recleaned. Price, per lb., 30c; 3 lbs., 80c. Add 8c per lb. if to go by mail; 14 lbs. by freight, \$3.00.

LAWN FERTILIZERS

Garden and Lawn Fertilizer.—A strictly high-grade fertilizer for lawns, plants and gardens. The ingredients are quickly soluble and immediately commence to feed the plants. Can be applied either before or after planting, by sprinkling on the surface and raking in. It requires from 1 to 3 lbs. to each 100 square feet of lawn. One part to 50 parts of soil for sweet peas, etc. Price, 5 lbs., 30c; 10 lbs., 50c; 25 lbs., 90c; 100 lbs., \$3.25.

Ground Bone Meal.—Acts the same as the lawn fertilizer, but more slowly. Should be

worked into the soil more thoroughly. Price, same as Lawn Fertilizer.

Hammond's Sward Food.—A simple grass plot or more extensive lawn, to be handsome, needs the grass to grow thickly. Hammond's Sward Food is a top dressing prepared to feed the grass and insure a thick and matted growth of rootlets, resulting in a compact and velvety turf. It also acts as a prevention and destroyer of the antler or grass moth, and contains in soluble form luxuriant growth of all varieties of grasses, the organic requisites for the healthy and



To revive old grass around the house rake off the dead grass and scratch the ground with an iron toothed rake. If there are any bare places, sprinkle in a little mixed grass or lawn seed, then roll or tread these spots. Apply a light dressing of "Sward Food" occasionally.

For new ground, break up finely, sow thickly with our Perpetual Lawn Seed Mixture. Apply "Sward Food" occasionally and not too heavily. It is excellent for beets, cucumbers, melons, squashes, strawberries, tomatoes and all garden vegetables; also for flowering plants. 25 pounds is sufficient for 2,000 square feet. 5-lb pkg, price, 30c; 25 lbs., \$1.25.

Bowker's Plant Food.—A dressing made expressly for plants grown in the house, garden or conservatory; clean, odorless. One small package is enough for 30 plants for 3 months. Small pkgs., 25c; large pkgs., 45c., postpaid.

PLANT DEPARTMENT

We call special attention to our plant department, which is under the most competent management, and we are in a position to furnish you with strong, well-rooted, vigorous plants at reasonable prices.

Our packing is done in the best manner possible, insuring delivery in good condition even when sent long distances.

We appreciate having orders come in early, with instructions when to ship, as this enables us to give these customers the best of attention. Where no instructions are given, we send when danger of freezing is over.

Plants are sent by mail, postpaid, except where otherwise noted.

ASPARAGUS FERNS.



Asparagus Plumosus.—A beautiful plant, with light green, gracefully arched foliage. Excellent for decorative purposes.

Asparagus Sprengeri.—Desirable for porch decorations and hanging baskets. Each, 15c; 2 for 25c; 4-inch pots, each, 25c.

Asparagus Sprengeri Hanging Baskets, 10 inches in diameter, each, \$2.00, by express; 12 inches in diameter, each, \$3.00, by express.

CANNAS.

Cannas make a fine showing when properly arranged for effect, and good varieties are used. We list only the desirable varieties.

Burbank.—Green foliage, large, clear yellow flowers. Height, 5 ft.

Charles Henderson.—Brilliant crimson flowers, green foliage. Height, 3½ ft.

David Harum.—Dark bronze foliage. Large, deep vermilion colored flowers. Height, 3½ ft.

Florence Vaughan.—Green foliage. Flowers rich yellow, dotted bright red. Height, 5 ft.

Mad Crozy.—Green foliage, large scarlet flowers, bordered with yellow, 3 ft.

Price, 1st size, each, mail, 15c; 3 for 35c; 12 for \$1.25.

Price, 2d size, by express, each, 15c; 3 for 40c; 12 for \$1.50.

Price, 3d size, strong plants from 4-inch pots ready May 15th, will commence to bloom in a short while, by express, each, 25c; 3 for 65c; 12 for \$2.50.

King Humbert.—The best of all cannas. Flowers very large and of a bright orange scarlet. Foliage, a beautiful leathery bronze. Height, 4 ft. Each, 25c; 3 for 60c; 12 for \$2.00, postpaid. Large size, 4-inch pots, each, 35c; 6 for \$2.00, by express.

Special Offer.—One each of the above six varieties, including King Humbert, 1st size. Price, 65c, prepaid.

CARNATIONS.

Mrs. Thos. W. Lawson.—Bright cerise pink. A grand variety.

Beacon.—A profuse bloomer. Bright scarlet. Flowers very large.

Enchantress.—Delicate blush pink, very free blooming. Large.

Lady Bountiful.—A pure glistening white. Early and a profuse bloomer.

Windsor.—Clear, silvery pink. Large and fragrant.

White Perfection.—Pure white, beautifully fringed and fragrant. Price, strong plants from pots, each, 15c; any 3 for 40c; 6 for 60c.

This collection is one of the most satisfactory you could secure and at the low price offered, we are sure it will bring many orders.

CHRYSANTHEMUMS.

We give below the four best early fall flowering chrysanthemums in a variety of colors.

Golden Glow.—Large, deep yellow.

October Frost.—Large, pure white.

Glory of Pacific.—Large, deep pink.

Ivory.—Chinese variety, pure white.

Each, 10c; doz., \$1.00; set of 4, 30c.

FERNS.

Boston Fern.—The best known of all ferns. Hardy and a rapid grower.

Whitmanii.—Dwarf and compact grower. By many called the Ostrich Plume.

Amerpohli.—Somewhat resembles the Whitmanii, but more delicate. Known as the Philadelphia Lace Fern.

Price, 2-inch pot.....Each, 15c, postpaid

Price, 3-inch pot.....Each, 25c, postpaid

Price, 4-inch pot.....Each, 50c, postpaid

Price, 5-inch pot.....Each, 75c by express

Price, 6-inch pot.....Each, \$1.00 by express

GERANIUMS.

We offer the very best of the summer bloomers and can furnish them in large quantities.

S. A. Nutt.—Double, rich, dark crimson. The most popular and satisfactory double crimson.

Jean Viand.—Semi-double. Clear, light pink. Large trusses.

La Favorite.—Double, white of dwarf growth. A fine bedder.

Alphonse Riccard.—Semi-double. A brilliant shade of orange red.

Price, 1st size, each, 10c; doz., \$1.00; 100, by express, \$6.00.

Price, 2d size, each, 15c; doz., \$1.25; 100, by express, \$10.00.

Price, 3d size, 4-inch pots, 15c; doz., \$1.50; 100 for \$12.00.

Mad. Sallerioi.—A silver leaf variety for edging and massing. Dwarf in habit. Each, 10c; doz., 85c; 100, \$5.00.

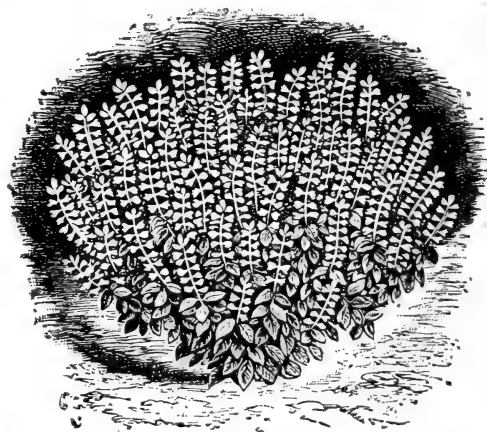
Collection of 1 each of the 7 varieties, 1st size, 60c, postpaid.

Rose scented geraniums, each, 10c; 3 for 25c.

New Giant Marguerite Queen Alexandra.—Flowers average 2½ inches in diameter. Semi-double, pure white, blooms all summer. 1st size, each, 10c; 3 for 25c, postpaid; large size in bud and bloom, each, 25c; 5 for \$1.00, by express.

SALVIA.

Zurich.—New, the everblooming Salvia. Commences to bloom quite small and continues through the summer. Flowers of a brighter scarlet than any of the other varieties. Compact growth, 18 to 24 inches high.



St. Louis.—A tall growing variety, attaining a height of 3 to 4 feet and producing flower spikes 12 to 16 inches in length. A vivid scarlet. Comes into bloom in July, continuing till frost.

Mrs. Page.—Dwarf and compact. A very free bloomer. Splendid for bedding.

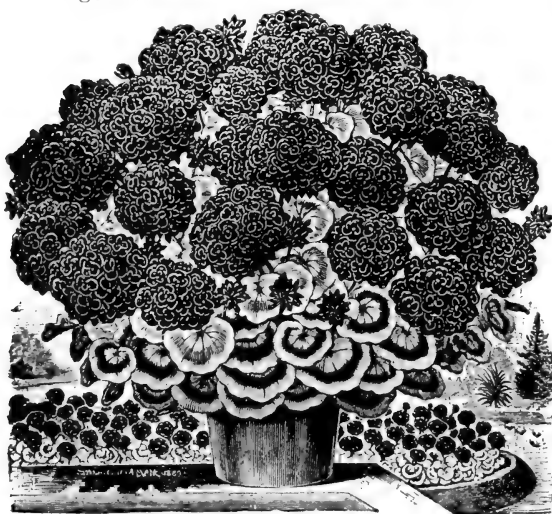
Price, 1st size, each, 15c; doz., \$1.25, postpaid; 100, by express, \$8.00.

Price, 2d size, each, 15c; doz., \$1.50; 100, by express, \$10.00.

Collection of 2 of each variety, 6 in all, 1st size, 60c, postpaid.

COBEA SCANDENS.

A remarkably rapid climber, often attaining a height of sixty feet in a season, with beautiful foliage, and producing large purple, bell-shaped flowers in great profusion during the fall months. Each, 15c; two for 25c; doz., \$1.00. Large size, 4-in. pots, each, 25c; doz., \$2.50.



Mrs. Frances Perkins.—Double, deep, bright pink.

Beaute Poitevine.—Semi-double. Trusses very large. Beautiful salmon pink.

MOON FLOWERS.

Noctiflora.—Pure white, moon-like flowers, 4 inches in diameter, which open at night; as a rapid climber for covering arbors and verandas, trees, or walls, it has no superior.

Leari.—Flowers deep azure blue, 4 inches in diameter; a charming contrast to the preceding; a free bloomer. Each, 15c; two for 25c; doz., \$1.00. Large size, 4-in. pots, each, 25c; doz., \$2.50.

ROSES--The Kind That Will Grow and Bloom

Our roses are not surpassed by any and are far superior to the stock sent out by some houses who represent to send out first-grade plants and in reality send out thirds or fourths. Do not be fooled, but buy of us and secure A No. 1 goods.

BABY RAMBLERS.

The baby ramblers are growing in popularity and we have two ramblers to offer this year. They are constant bloomers and quite hardy.

Crimson Baby Rambler.—Splendid for bedding and of vigorous growth. Perpetual blooming.

White Baby Rambler.—Pure white. The flowers are borne in clusters of 50 to 75 each and about 1 inch in diameter. Foliage, dark and glossy and finely cut. Fine for cemetery planting. Each, 15c; any two for 25c; 12 for \$1.25. Two-year-old plants, each, 40c; 3 for \$1.00, prepaid.

RAMBLER OR CLIMBING ROSES.

Crimson Rambler.—The best known of all the rambler roses. A remarkably strong grower, extremely hardy. The foliage makes a fine contrast with the green. Flowers, bright crimson.

Lady Gay.—A new rose and seedling of the Crimson Rambler. Flowers of a delicate cherry pink color, changing to a soft white. Like the Crimson Rambler it is a most profuse bloomer. It is a vigorous grower and perfectly hardy. It is a new color in a rambler which makes it exceedingly popular.

Dorothy Perkins.—By many this is considered the most popular of all the ramblers. Flowers are larger than the Crimson Rambler. Color, a most beautiful shell pink and holds its color a long time without fading. It is fully as hardy, and a more vigorous grower than the Crimson.

Price on above three ramblers, 1st size, each, 15c; 3 for 30c, postpaid.

Two-year dormant, field-grown plants, 40c, prepaid.

Three-year dormant, field-grown plants, 60c, not prepaid.

Do not confuse these with the weak plants sent out by many houses. Our customers reported growths of 10 to 14 feet on ramblers purchased of us last year. Buy the best.

COLLECTION OF RAMBLERS.

1 each of the three Ramblers, 1 size by mail \$.35
1 each of the 2-yr. dormant, prepaid..... 1.10
1 each of the 3-yr. dormant, not prepaid.. 1.50

IOWA SET OF SEVEN SUMMER BLOOMING ROSES.

American Beauty.—Flowers very large, double and a bright rose color.

Clothilde Soupert.—Flowers formed in clusters, white, blended with delicate pink.

Ivory.—Sport from Golden Gate. Is of large size, heavy canes and pure white color.

The Bride.—The most popular white rose. The flowers are very large and double, on long stems becomes a pinkish white, at other times a beautiful pure white.

Killarney.—A beautiful pink of large size and a free bloomer. Sure to please.

Richmond.—The most popular of the perpetual summer blooming red roses. Has a very rich, velvety hue.

Bridesmaid.—A free and constant bloomer of clear, rose-pink flowers. Tea scented.

Price, each, 15c; set of 7, 60c, postpaid.
Two-year plants, each, 25c; 3 for 65c; set of 7 for \$1.40, by express.

HARDY ROSES TWO-YEAR-OLD FIELD GROWN.

Dormant roses can be planted as soon as the frost is out of the ground and not later than May 15th.

Paul Neyron.—A very rank grower, extremely hardy and produces a profusion of exceptionally large flowers of a beautiful carmine pink.

Frau Karl Druschki.—By some called the White American Beauty. Produces large, white flowers of exceptional beauty.

Magna Charta.—Clear, rosy red. Very large and fragrant. One of the most popular of garden roses.

Coquette des Alps.—White, with shaded center. A profuse bloomer.



Gen. Jacqueminot.—Bright, velvety crimson. Very vigorous grower. The standard crimson rose.

Madam Plantier.—One of the hardiest and most profuse bloomers. Pure white.

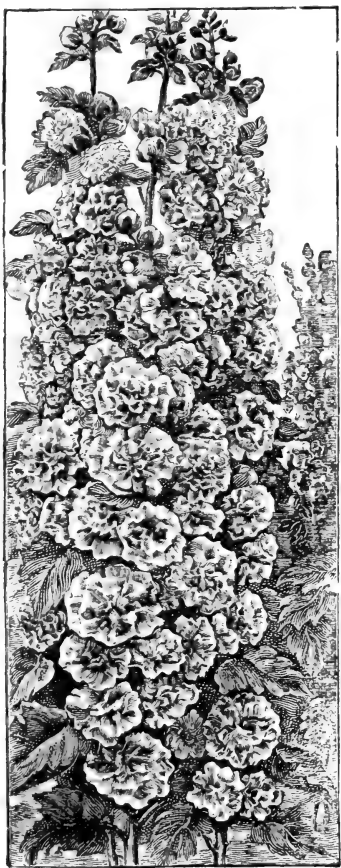
Prince Camille de Rohan.—A fine rose of

rich velvety crimson, passing to maroon, shaded black. Strong, 2-yr.-old plants, each, 40c, by mail; doz., \$4.00, by express.

Set of 1 each of the above 7 roses sent prepaid for \$2.45.

New Rose, White Killarney.—Identical with the ever-popular and well-known pink Killarney. It is perfectly hardy with light protection. A strong, robust grower, flowering very freely throughout the season. The flowers are very large, buds long and pointed. 1st size, each, 25c; \$2.50 per doz., by express.

HARDY PERENNIAL PLANTS



DOUBLE HOLLYHOCK

These are planted once and are always there. They live through the winter with little or no protection.

These permanent border plants, supplying flowers the whole season long and so hardy that they do not need to be replaced. Appeal to every owner of a country home.

For beds or borders and for planting among shrubbery or trees, this class of plants has become a real necessity.

The 2d size plants offered are

too large to mail and go by express at buyer's expense.

BOLTONIA (1,000 to 1 Aster).

Asteroides.—A beautiful native plant, growing 4 feet high, produces white Aster-like flowers from July to October. Each, 15c; large size, 25c.

Coreopsis Lanceolata Grandiflora.—Commences to bloom early in June and continues until frost, producing golden yellow flowers. 1st size, each, 15c; 6 for 75c; 12 for \$1.25. 2d size, large clumps, each, 25c; 6 for \$1.25; 12 for \$2.50.

Shasta Daisy.—Perfectly hardy, of easy cultivation and blooms for several months. Flowers quite large, petals pure white. Price, each, 15c; doz., \$1.25, postpaid. 2d size, each, 25c; doz., \$2.50.

DELPHINIUMS (Hardy Larkspur).

Chinense.—A handsome variety, growing about 18 inches high, with large, open panicles, varying in color through all the light shades of blue.

Formosum.—Large, flower spikes, deep blue with white eye, 3 feet. 1st size, each, 15c; 3 for 40c; 12 for \$1.25. 2d size, each, 25c; 3 for 65c; 12 for \$2.50.

DIGITALIS.

Foxglove.—This old-fashioned summer-flowering perennial needs no description; succeeding under most all conditions and in almost any soil; will give the best of satisfaction. 2d size, clumps, each, 25c.

GAILLARDIA.

Grandiflora.—Produces large flower center of a reddish brown, petals varying from scarlet orange to crimson. Begins to bloom in June and continues throughout the summer. Each, 15c; 3 for 40c; doz., \$1.50. 2d size, clumps, each, 25c.

HOLLYHOCK.

One of the best known hardy garden flowers. Do best in rich soil. A slight protection in winter is beneficial. Strong field-grown roots, ready to bloom this season. Colors, double white, yellow, pink and red. 2d size, each, 25c; 3 for 60c; 12 for \$2.00.

Old-fashioned single Hollyhocks, each, 15c; doz., \$1.50.

HIBISCUS.

Crimson Eye.—Flowers immense in size, pure white, crimson center.

Moscheutos (Swamp Rose Mallow).—The flowers are 6 inches in diameter, of a light rosy red color, with darker eye. Each, 15c; 3 for 40c; doz., \$1.25. 2d size, each, 25c; 3 for 65c; doz., \$2.50.

GERMAN IRIS.

Mme. Chereau.—Pearly white, daintily edged with lavender.

Royal Blue.—Deep purple, very early and free flowering.

Celeste.—Fine, satiny blue. Said to be the most beautiful of all German Iris.

Snow-White.—One of the best white sorts. Price, 1-yr. roots, each, 15c; 3 for 40c; doz., \$1.50.

Special Offer.—Four of the above named sorts for 50c.

JAPAN IRIS.

Our stock of these magnificent Iris is of the very best. Can furnish in colors as follows: Pure white, light blue, deep lavender, violet purple and azure blue. Price, each, 15c; 3 for 40c; 12 for \$1.25. Larger size, each, 25c.

PEONIES.

We furnish strong division roots, from two-year clumps, with from 3 to 6 eyes to each root. Fall is considered the best time for planting, yet thousands are set out in the spring. Plant in a good, rich soil, about three inches below the surface. We list only a few of the best varieties, including the various

colors. Can furnish all the leading sorts when wanted.

Festiva Maxima.—Large, double white with carmine spots on center petals. Flowers of immense size on stiff stems. Each, 50c; doz., \$5.00, postpaid.

Queen Victoria.—A choice double white. Fine for cutting. A good keeper. Each, 25c; doz., \$2.50, prepaid.

Madam Chaumy.—Satiny rose color. Very late. Each, 50c; doz., \$5.00.

Marechal Vaillant.—Very large, late violet red. Each, 35c; doz., \$3.50.

Officinalis Rubra. (Single).—Brilliant crimson with golden center, very early. Each, 30c, prepaid.

Rubra Triumphans.—Brilliant crimson, very early. Each, 25c; doz., \$2.25, prepaid.

Eduis Superba.—Beautiful rose pink, very early and fragrant. Always in bloom by memorial day. Each, 25c; doz., \$2.00, prepaid.

Grandiflora Rosea.—Fine, rose pink. Each, 20c; doz., \$2.00, prepaid.

Mixed.—Doz., \$1.50.

We can furnish large clumps of any of above varieties in 3 and 4-year sizes from \$2.00 to \$2.50 each.

HARDY POPPIES.

Papaver Orientale.—Nothing can equal these in gorgeous effect and, whether planted singly or in masses, their large flowers, rich coloring and freedom of bloom render them conspicuous in any position. They grow 3 feet high and bloom from May to August.

Oriental (Royal Scarlet).—Mammoth scarlet flowers with black center. 3 feet. May to August. Each, 20c; 3 for 50c; doz., \$1.75. 2d size, each, 35c.

Phlox.—Hardy sorts in the best named varieties in white, light and dark pink and crimson. Strong 2-yr. roots, each, 25c; doz., \$2.50.

Rudbeckia (Golden Glow).—5 to 7 feet. Commencing to bloom in July and continuing until killed by frost. Produces numerous stems which are laden with double golden yellow flowers, in size and general shape resembling a cactus dahlia. Each, 15c; 2 for 25c; doz., \$1.25. Large roots, each, 25c; doz., \$2.50.

Tritoma Pfitzerii (Red Hot Poker Plant).—Very attractive, blooming from August till November. Not hardy. Should be taken up in fall. Each, 15c; 3 for 40c. 2d size, each, 25c; 3 for 65c.

Yucca Filamentosa (Adam's Needle).—Flowers pure white, drooping, borne on long stems. A fine plant for the lawn or cemetery; hardy and evergreen. Large plants, by express, each, 25c; 5 for \$1.00. Larger size, each, 50c; doz., \$5.00.

BEDDING PLANTS

We can furnish bedding plants in large quantities. Ready for delivery after May 1st. Prices are delivered to customers in Des Moines, or to express companies for shipment.

	Doz.	100
Alternanthera. —Red or green, 2 in.	\$.60	\$4.00
Strong plants from flats.....	3.00	
Alyssum. —Sweet, 2 in.	.50	3.50
Ageratum. —Little Blue Star.....	.75	6.00
Aster. —From flats, transplanted....	.25	2.00

Aster. —From 2-in. pots.....	.50	4.00
Caladium Esculentum. —Started in 5-in. pots	3.00	20.00
Started in 6-in. pots.....	4.00	30.00
Castor Oil Beans. —3 in.....	1.00	6.00
Cosmos. —Early Flowering.....	.50	4.00
Cannas. —Different colors. Our selection, 3-in. pots.....	1.00	7.00
Cannas. —Started plants .....	.75	5.00
Centaurea. —Gymnocarpa. (Dusty Miller) .....	.60	4.00
Coleus. —In variety, 2 in.....	.50	4.00
Golden Feather. —2 in.....	.50	4.00
Grave Myrtle. —2½ in.....	1.00	8.00
English Ivy. —4-in. pots.....	2.50	15.00
English Ivy. —2-in. pots.....	.60	4.00
Ivy Geranium. —2 in.....	1.00	8.00
Lobelia. —Dwarf blue, 2 in.....	.50	4.00
Moonflower. —White, 2½ in.....	1.00	7.00
Nasturtiums. —3 in.....	1.00	8.00
Pennisetum Longistylum. —2-in. pots	1.00	6.00
Petunia. —Single asst., 2 in.....	.50	4.00
Petunia. —Double asst., 2 in.....	1.00	8.00
Pansies. —Giant Mixture .....	.50	3.00
Thunbergia. —2 in.....	.60	4.00
Verbenas. —2 in.....	.60	4.00
Vinca. —Trailing, 2 in.....	.75	5.00
Vinca. —Trailing, 4 in.....	2.50	15.00

ORNAMENTAL FLOWER AND SHRUBS

Our list includes only such kinds which have proven to be hardy and best adapted for Iowa climate. All shrubs and vines on this page (unless otherwise noted) are too large for mail and will be sent to out-of-town buyers by express or freight, customers paying charges.

Berberis Thunbergii.—The most beautiful for hedges or general purposes of any of the berberry family. The foliage turns to a brilliant crimson in the fall and the plant is covered with bright scarlet berries. Plant 15 to 18 inches apart. 2 yr., 1 ft., \$1.50 per doz.; \$10.00 per 100. 3 yr., 1½ to 2 ft., bushy plants, each, 25c; doz., \$2.50; per 100, \$20.00.

Berberis Purpurea. Purple Leaved.—A handsome hedge plant, the foliage being always clean, of a deep, rich plum color, and does not fade out in summer as do most purple leaved plants. Extra strong bushes, 1½ to 2 ft., each, 20c; doz., \$2.00.

DEUTZIA.

Pride of Rochester.—Large, double white flowers. A very strong grower. Don't fail to get one of these shrubs. Strong, 2 to 3 ft., each, 30c; 4 for \$1.00.

ELDER (Sambucus).

Golden Leaved.—Bright leaves of golden yellow, very attractive, 2 to 3 ft., each, 30c; doz., \$3.00.

FORSYTHIA (Golden Bell).

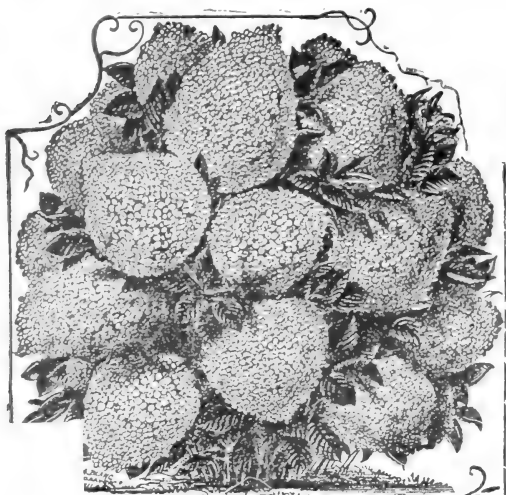
Viridissima.—A very pretty shrub of medium height; perfectly hardy in this country. The plant is covered with drooping yellow flowers, blooming very early in the spring with the lilacs.

2 to 3-ft. bushes, each, 30c; 4 for \$1.00.

HYDRANGEA.

Paniculata Grandiflora.—One of the most

popular shrubs in existence. Blooms abundantly in August, bearing immense panicles. White at first, changing to pink, then



to coppery red. Strong, dormant $2\frac{1}{2}$ to 3-ft. bushes, each, 25c; doz., \$2.50. $1\frac{1}{2}$ to 2-ft. bushes, each, 20c; doz., \$2.00.

Hydrangea Tree Form, 3 to 4 ft. with bushy top, each, 75c; 3 for \$2.00.

LILACS.

Charles X.—A strong, rapid growing variety, with large, shining leaves; trusses large, of a reddish purple color. Strong, 2 to 3 ft., each, 50c; doz., \$4.00.

Alba.—Pure white, very fragrant. Strong, 2 to 3 ft., each, 35c; doz., \$3.00.

Lonicera Red Tartarian (Bush Honey-suckle).—Blooms in June, with beautiful pink and white flowers, followed by red berries. Ornamental through the season. Strong bushes, 2 to 3 ft., each, 25c; 5 for \$1.00.

PRIVET.

Hardy Russian.—A valuable hardy Privet for the West and Northwest. Is almost an evergreen and a free grower in almost all kinds of soils. Bears shearing to any extent. If you wish a first-class hedge, plant this Privet. We have a large stock and can supply in quantity. Price, $1\frac{1}{2}$ to 2-ft. bushes, each, 15c; doz., \$1.25; per 100, \$7.50. 2 to 3-ft., heavy, each, 25c; doz., \$2.00; per 100, \$12.50.

Rhus Cotinus (Purple Fringe, or Smoke Tree).—A common old shrub that is known under the name of "Purple Fringe" or "Smoke Tree," but rarely seen. It is exceedingly ornamental. 4 to 5 ft., each, 35c; 3 for \$1.00.

Snowball. Japan.—The best of all snowballs, grows 6 to 8 feet, erect and compact. Blooms early and is literally covered with large white balls. Strong, bushy plants, 3 to 4 ft., each, 60c; 2 for \$1.00.

Old-fashioned Snowball (V. Sterilis).—3 to 4 feet, each, 35c; 3 for \$1.00.

SPIREA.

Anthony Waterer.—A perpetual blooming shrub, producing large, round clusters of rosy red flowers. Strong, 12-in., each, 25c; doz., \$2.50.

Van Houtii or Bridal Wreath.—Considered by many to be the most satisfactory of all the Spireas. Entirely hardy, produces immense quantities of bloom of pure white color. Grand effect when used for a hedge. Price, 2 to 3 ft., each, 20c; 3 for 50c; doz., \$2.00. 3 to 4 ft., strong and bushy, each, 40c; 3 for \$1.00; doz., \$3.50.

Syringa Grandiflora (Mock Orange).—A very strong grower, producing large, fragrant flowers, 2 to 3 ft., each, 35c; 3 for \$1.00.

Tamarix.—Foliage light, feathery, graceful; sage blue in color; blooms through summer and autumn. 2 to 3 ft., each, 25c; 5 for \$1.00.

Weigelia. Eva Rathke.—Flowers, brilliant crimson, blooming throughout the summer. The best free flowering variety. Price, 2 to 3 ft., each, 40c; 3 for \$1.00.

Weigelia Rosea.—A beautiful shrub with rose-colored flowers, producing through May and June. 2 to 3 ft., each, 40c; 3 for \$1.00.

HARDY CLIMBING VINES

Boston Ivy (Ampelopsis Veitchii).—The very best hardy plant for covering houses, churches, schools, etc. The tendrils will cling to the smoothest surface with the greatest tenacity. Extremely hardy and of very rapid growth. Plants, 10 in. long, each, 15c; 3 for 35c; 12 for \$1.20, prepaid. 24 in. long, each, 25c; 3 for 60c; 12 for \$2.25, prepaid. 3-yr. vines, each, 40c; 3 for \$1.00; per doz., \$3.00, by express.

CLEMATIS.

Paniculata.—The most satisfactory of the small flowered class. Makes a very rapid growth and is covered with a mass of white flowers. Fragrant. It blooms in August and September. Extremely hardy. Each, 15c; 3 for 40c; doz., \$1.50, prepaid. 2-yr. plants, each, 35c, mail; doz., \$3.00, prepaid. 3-yr., each, 50c.

Jackmanii.—A very strong, healthy grower, large, deep velvety purple flowers. A very profuse bloomer. Strong, 2-yr. plants, each, 50c; doz., \$5.00.

Henryii.—Very similar to Jackmanii in growth, but produces large, white flowers. Price, same as Jackmanii.

Collection of 1 each, 2-yr. plants, \$1.10, prepaid.

Dutchman's Pipe (Aristolochia).—Very hardy, strong growing vine, with large, heart-shaped leaves. Pipe-shaped flowers of a yellowish brown. Very desirable for covering outbuildings, etc., where a rapid growth is desired. 2-yr. plants, each, 25c; 5 for \$1.00.

HONEYSUCKLES.

Halliana (Hall's Japan).—Almost evergreen, flowers pure white, changing to yellow. Flowers July to November. Strong, vigorous growers and perfectly hardy.

Scarlet Trumpet or Coral.—A very vigorous grower, producing beautiful scarlet flowers all summer.

Sweet Scented Monthly (Belgica).—Produces large trusses of fine, fragrant flowers, red and yellow. Large plants, each, 25c; doz., \$2.50, express.

Collection, 1 of each variety, 65c, express.

Wisteria. Blue Chinense.—A perfectly hardy, rapid growing vine, covered with clusters of beautiful bloom. 2-yr., each, 35c; 3 for \$1.00.

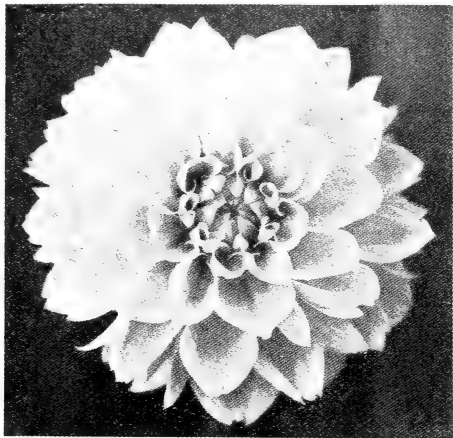
BULBS

DAHLIAS

Our dahlia roots are grown by a specialist, which enables us to furnish our customers with good strong roots true to name and of the best quality. We list the best of the various classes of dahlias, and are sure we can please you. Remember these are strong roots or bulbs, not plants. Sent prepaid at prices listed.

DECORATIVE DAHLIAS.

Clifford W. Bruton.—A very large canary yellow. Standard cut flower variety. Price 15c.



Catherine Duer.—"The Dahlia of Newport." Deep, rich, glowing red. Good stems, unexcelled in artificial light. Price, 20c.

Gettysburg.—Bright, deep scarlet. Large, heavy flower. Good stems. A splendid variety. Each, 15c.

Nymphaea.—Clear shrimp pink. Good stems. The flower resembles that of a water lily. Price, each 15c.

Mrs. Chas. Turner.—Pure yellow. Good stems. An excellent flower. Price, 20c.

Souvenir de Gustave Doezon.—Rich scarlet. Long stems. The largest Dahlia in existence; 9½ inches in diameter. Price, 20c.

Mrs. Winters.—Pure snow white, large and full. Long stems. One of the best whites. Price, 20c.

SHOW DAHLIAS.

A. D. Livoni.—Soft sea shell pink. Price, 15c.

Bon Ton.—Deep, rich garnet. Price, 20c.

Grand Duke Alexis.—Large pure white edges tinged with soft lavender. Quilled. Price, 20c.

Queen Victoria.—An early, free blooming golden yellow. Quilled. Price, 15c.

Red Hussar.—A splendid cardinal red. Good stems. Price, 20c.

Sylvia.—A water lily shading to white in the center. Large blossoms. A splendid cut flower variety. Price, 20c.

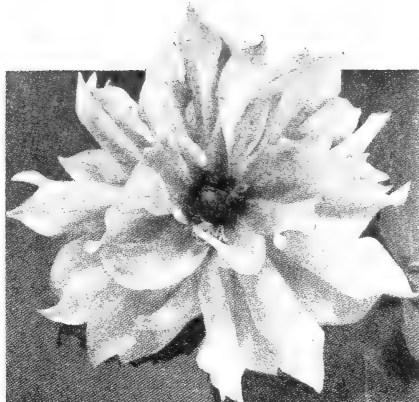
White Dandy.—Pure white, very fine. Price 25c.

FANCY DAHLIAS.

Floral Park Jewel.—Variegated red and

white. A very free bloomer. Splendid stems for cutting. Price, 15c.

Prof. Mansfield.—Very large golden yellow, tipped red or white. A magnificent flower for the garden. Price, 20c.



Progress.—Bright rosy lake, spotted crimson. Good stems. Price, 20c.

HOLLAND PEONY FLOWERED DAHLIAS.

Duke Henry.—Soft dark red, or purple crimson. A lovely semi-double flower with its tinted petals loosely arranged giving it a very graceful appearance. Price, 35c.

King Leopold.—A very beautiful flower of good size. Color varies from creamy yellow to white. Price, 35c.

Queen Emma.—A splendid flower on long stems. The color varies from a soft lavender pink to salmon with lilac. Price, 35c.

Queen Wilhelmina.—Very large, pure white center petals—gracefully twisted. One of the best. Price, 35c.

The Peony flowered dahlia is beyond question unsurpassed for cut flowers or garden effect. They are all borne on long stems, throwing them well above the foliage.

NEW 20TH CENTURY DAHLIAS.

Giant Single Dahlias of Distinct Type.

Pink Century.—Delicate shell pink. Very large. Price, 25c.

Scarlet Century.—A splendid flower of dazzling scarlet without shade or blemish. Price, 25c.

Crimson Century.—A very large, most beautiful flower of deep glowing crimson, shaded darker, tipped rose and rose center. Price, 25c.

All dahlias of the century type have long stems and are excellent for cutting.

CACTUS DAHLIAS.

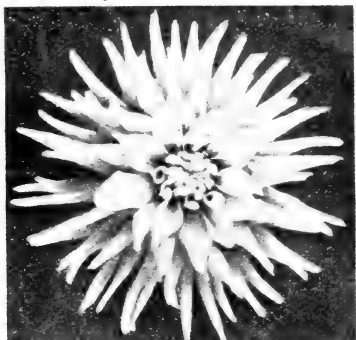
Aurora.—A splendid exhibition dahlia of colossal size, elegant form and perfect type. Soft pink, tipped white with golden center. Price, 50c.

Burbank.—Deep, clear, dark red. A beautiful flower. Introduced by Luther Burbank. Price, 40c.

Countess of Lonsdale.—Rich salmon, tinted apricot. Unequaled for perfection and freedom of bloom. Excellent stems for cutting. The best.

dahlia for the garden. Plants carrying as high as 150 blossoms at one time. Price, 15c.

Kreimhilde.—Queen of cactus dahlias. Deli-



cate fresh pink, shading to white in the center. A splendid cut flower variety. Price, 15c.

Schwan.—The largest, most perfect and free blooming pure white cactus dahlia. The narrow, twisted, glistening white petals giving the flower an elegance not possessed by any other variety. Stems average 15 inches. Price, 40c.

Wm. Marshall.—A splendid exhibition sort. Rich orange with bright yellow center. Very large. Price, 40c.

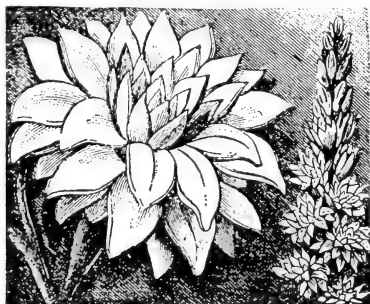
Winsome.—A pure white flower with incurved petals. A very beautiful variety. Price, 20c.

CALADIUM ESCULENTUM.

Elephant's Ears.—Easily grown, producing plants of immense size. Will do well in ordinary soil, but requires plenty of water. First size, 10c; 3 for 25c. Second size or selects, each, 15c; 3 for 50c. Mammoth size, each, 35c; 3 for \$1.00, not prepaid.

TUBEROSES.

Mammoth Pearl.—A very popular summer flowering bulb, very fragrant. Flowers borne on



long spikes. Select bulbs. Price, by mail, each, 7c; 3 for 20c; doz., 60c. By express, each, 5c; doz., 50c; 100, \$3. Second, 3 for 10c; doz., 30c; 100, \$1.75.

MADERIA VINE.

A beautiful climbing vine of very rapid growth, leaves glossy green. Nothing more desirable for shading porches and verandas. Large, strong bulbs. Each, 5c; doz., 40c.

LILY OF THE VALLEY.

Should be planted in shady places. No flower garden is complete without them. 4 roots, 15c; doz., 35c.

GLADIOLUS

America.—An exquisite soft lavender pink. Has a great number of large open blossoms or spikes ranging from 2 to 3 feet in length. Dark green foliage. The most beautiful gladiolus in existence. Vigorous growth. Each, 15c; doz., \$1.25.

Augusta.—A lovely pure white, blue anthers. Luxuriant dark green foliage. Strong straight spikes. Each, 5c; doz., 50c.

Brenchleyensis.—Vermilion scarlet. An old variety, but one of the most popular on account of the brilliant color. Each, 5c; doz., 40c.

Canary Bird.—A rich canary yellow. Probably the most beautiful of the yellow gladiolus. Each, 10c; doz., \$1.00.

Ceres.—Pure white, spotted purplish rose. Each, 5c; doz., 50c.

May.—Lovely pure white, flaked bright rosy crimson. Strong spike. Each, 10c; doz., \$1.00.

Mrs. Frances King.—A very desirable shade of light scarlet. Flowers are borne on strong spikes 3 to 4 feet long. One of the very best cut flower varieties. Each, 10c; doz., \$1.00.

Perfection.—A splendid variety, white flaked with crimson, long spikes, beautiful foliage. Each, 15c; doz., \$1.25.

Snow White.—A beautiful variety with white spikes. Very popular. Each, 15c; doz., \$1.50.

Pink and Rose, Mixed.—Each, 5c; doz., 40c.

Groff's Mixed.—Selected stock. Each, 7c; doz., 75c.

Lemoine's Mixed.—Each, 5c; doz., 50c.

Fine Mixed.—Each, 3c; doz., 25c.



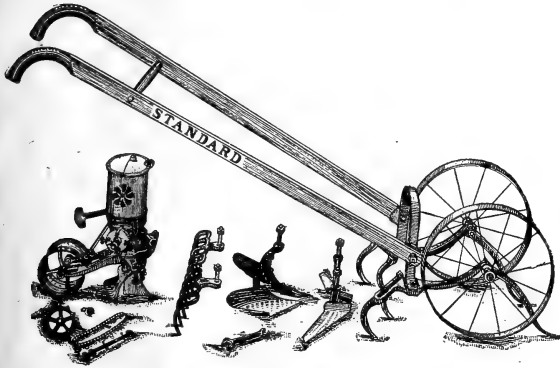
GARDEN TOOLS

We have looked over the garden tools very carefully and believe we have the most satisfactory line on the market. We furnish the Planet Jr. tools at regular catalog prices, but believe our customers will be better satisfied with the Standard Garden Tools.

The Barker Weeder and Mulcher and Watson Hand Disc Cultivators will take the place of the hand push plows and cultivators formerly used.

STANDARD COMBINED DOUBLE AND SINGLE WHEEL HOE CULTIVATOR AND SEEDER NO. 9.

This is without a superior in its class. For the sowing of garden seeds, no seeder on the market will surpass it in the even distribution of seed. The feed is so constructed that it



will not injure the most delicate seed. The change from a seeder to cultivator can be made in much less time and is less complicated than any other similar combined tool we have ever seen. The hill spacer is the simplest known, and can be set for 4, 6, 8, 12 and 24 inches.

The index is at the rear of the hopper base, in plain view, with plain letters that are easily read. For a more complete description, will send a catalog of Standard tools on request. The attachments to the No. 9 consists of 4 cultivating teeth, 1 pair 6-inch hoes, 1 pair plows, 1 pair rakes, 1 wrench, 1 hill and drill seeder, complete as shown in illustration. Price complete, \$12.00.

STANDARD SEEDER NO. 10.

This is same as No. 9, except it consists of drill and seeder and hoe blades only. Price \$10.00. No. 11 Hill and Drill Seeder only \$9.00.

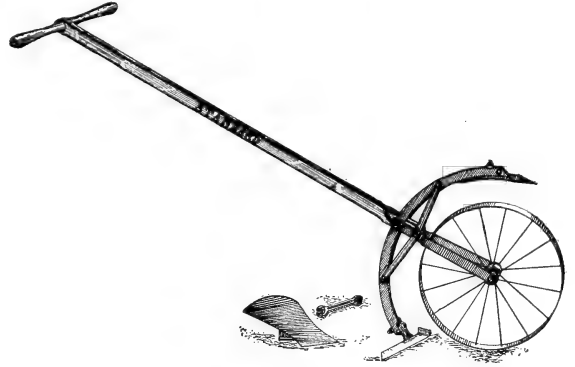
STANDARD SPRING BEAM DOUBLE WHEEL HOE, CULTIVATOR, PLOW AND RAKE NO. 2.

This has the same line of attachments as No. 4, but has spring beams, which are preferred by many gardeners. Hoes are reversible and are very convenient, both for furrowing and covering. Price \$6.00.

STANDARD REVERSIBLE PLOW NO. 54.

We believe this to be the most satisfactory reversible plow made. For a busy man it can-

not be surpassed as you have two tools in one. Can be adjusted to different depths by a tail nut. No wrench required. Is exactly as shown in illustration. Wheel is 18 inches in



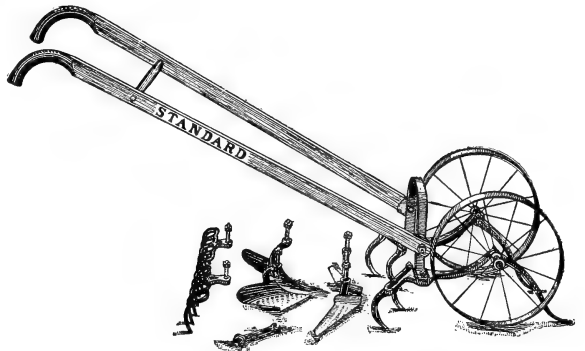
diameter. Frame double, making it very rigid. It is furnished with one double-pointed shovel, one 10-inch sweep and a turning plow with land side, insuring steady running. Price \$3.00.

STANDARD SINGLE WHEEL PLOW NO. 20.

Has a 24-inch wheel, which makes it very easy to operate. The frame is the double pattern of very stiff steel, holding the wheel true to its place. The handles are quickly adjusted to suit the height of operator by a thumb nut. The attachments consist of a turning plow, 10-inch hoe or sweep, double-pointed shovel, 5-tooth rake, cultivator and wrench. Price complete, \$3.25.

STANDARD DOUBLE AND SINGLE WHEEL HOE, CULTIVATOR, RAKE AND PLOW NO. 4.

The Standard No. 4 comes nearer meeting the full requirements of the gardener than any similar tool we have ever examined. It is furnished with the full set of attachments shown



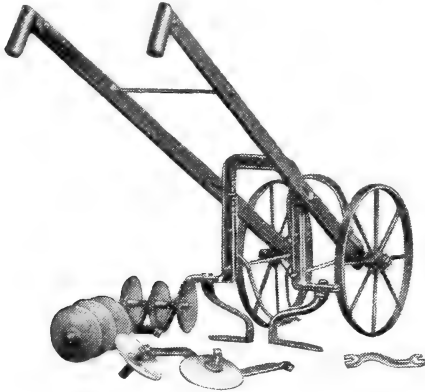
in illustration. Where a Single Wheel tool can be used to best advantage, the change can be made in a few seconds. Price \$7.00.

IMPROVED STANDARD BICYCLE PLOW.

Very easy to push, adjustable from 1 inch to 5 inches in depth. Rear wheel easily detached if desired. Price \$3.90.

THE WATSON DISC PLOW.

This is one of the latest real acquisitions in the line of garden tools and has given the very best of satisfaction. The discs are reversible, and can be used to throw the dirt either from or against the row. For the cultivating of strawberry plants it is without an equal. It will cut the surplus runners without any extra attachments. The attachments con-



sist of six discs, pair of hoes and extra rods which enable the operator to make a 4-disc plow for narrow rows. Price complete, \$8.00.

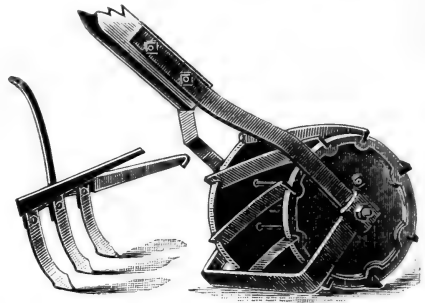
THE BARKER WEEDER AND MULCHER.

An entirely new idea in garden cultivators. Operates upon the principle of a lawn mower, as shown in the illustration. One man with this tool will do the work of ten men with hoes, and do it better. It has a knife that runs below the surface of the soil and a set of revolving blades which pass over it cutting off all weeds. It cultivates and pulverizes the soil, forming a mulch, prevents evaporation and conserves the moisture in the soil so that a crop may be grown with a minimum amount of rain.

The tool must be tried in the field to be appreciated. Its worth cannot be judged by looking at it. We ask our customers to take the tool and try it. If it does not do all that we claim for it, it may be returned at our expense and the money paid for it will be refunded. It is not a complicated tool. There is nothing to get out of order or break down at a time when delays are expensive and vexatious. It runs easily and with a steady forward push, no backward and forward or seesaw motion as is required with other wheel hoes, consequently it works twice as fast besides doing the work better. There is no danger of cutting the plants in the row; it may be brought up closer to the row than

any other cultivator or weeder and it thus avoids practically all of the hand weeding.

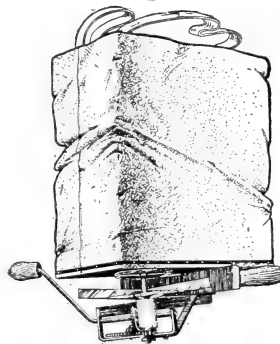
It can be used to good advantage in the smallest family garden as well as in the largest fields of Onion Sets or Sugar Beets, etc. It is really an indispensable tool and will save its cost in one day's weeding. For deeper work, it is provided with a set of three cultivator teeth shown in illustration. This illus-



tration does not show the leaf guards. Price, complete, 8-inch blades, \$5.00; 11-inch blades, \$5.50.

LITTLE GIANT SEEDER.

Of the many hand seed sowers on the market we believe the Little Giant will give the best results and is sold at a low price. Every farmer should have one as he can sow his seed much more regularly and rapidly than by hand. It is supplied with an automatic feed adjustment so as to shut off the feed instant-

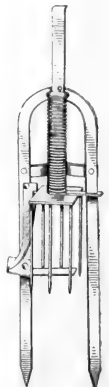


ly. It will sow timothy, clover, millet, grass seeds, also wheat, oats, flax, barley, rye, buckwheat, turnip seed and can be used for distributing bone dust. It is well made and guaranteed. Price, \$1.50.

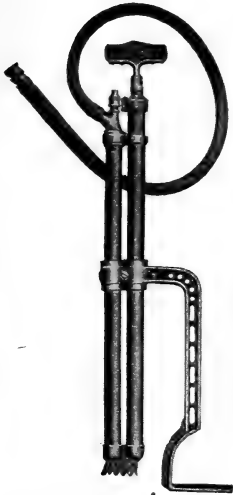
THE LITTLE GIANT MOLE TRAP

Self-setting, no danger in setting this trap. Set by pulling up Plunger Rod. The trigger catches itself. Made of heavy cold rolled steel, thoroughly galvanized. The simplest, safest and strongest mole trap on the market. Price, 75c.

Rotary Corn Planter.—The best hand corn planter made. For planting small fields or re-planting it is invaluable. Price \$1.50.



SPRAYING PUMPS *and* ATOMIZERS



LITTLE GIANT BUCKET PUMP.

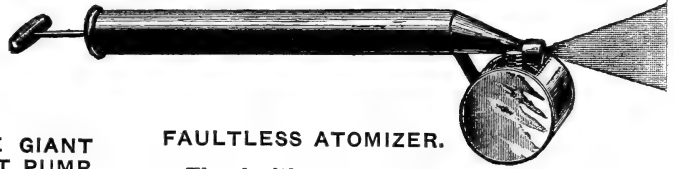
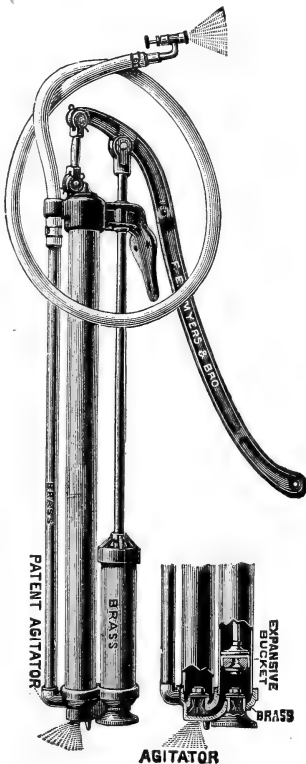
One of the best known all brass pumps on the market. It is provided with a large air chamber and has ball valves that are indestructible. The pressure is uniformly held in the air chamber and on the hose, so that the nozzle throws a continuous stream and is not affected by the movement of the plunger. Will throw a continuous stream 40 to 50 feet. Fitted with fine and coarse nozzles.

Has a malleable foot rest. Price \$3.75; with 8-foot extension pipe, \$4.25.

IMPROVED BARREL SPRAY PUMP.

This is the most satisfactory barrel pump we have ever operated, and are sure it will give satisfaction. Is made of brass, furnished with five feet of $\frac{1}{2}$ -inch hose and a Myers' graduated vermoral nozzle. For spraying large trees we recommend the use of an 8-foot extension pipe, which we furnish for 50c extra. Price \$3.50; 8-foot extension pipe 50c extra.

Bordeaux Nozzle, \$1.00; Imperial Nozzle, 50c; Sprinkler, 50c.



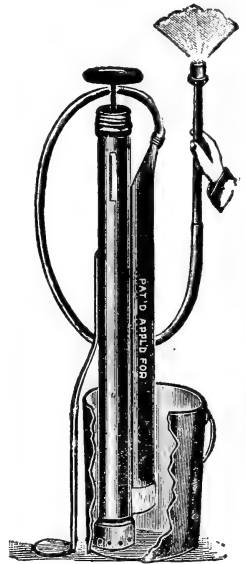
FAULTLESS ATOMIZER.

The faultless sprayer is in our opinion the best all brass hand sprayer on the market. Excellent for spraying poultry houses, shrubs and plants. Being made of heavy brass, it is very durable. Price, \$1.00.

Tin Faultless only 50c.

LIGHTNING WHITEWASH SPRAYER AND FORCE PUMP.

This is unquestionably the best low-priced whitewash sprayer we have ever seen. It is so constructed as to spray whitewash without clogging, and the manufacturers claim better work can be done with it than with a brush. One great advantage is in being able to get it into the cracks and crevices. It is constructed of heavy galvanized iron, nicely painted, has brass top and bottom. Has a brass nozzle that will give two different sizes of spray. It is furnished with a steel stirrup, three feet of heavy hose, a foot of extension rod. Has ball valves, and thoroughly made throughout. It is also used for spraying trees, vegetables and washing buggies and windows. Price \$1.90.



STANDARD SPRAY PUMP.

Standard Spray Pump.—As used with bucket, knapsack, tank or barrel for spraying orchards, gardens, vineyards, whitewashing, disinfecting chicken house, killing vermin on stock. Made entirely of brass, with two solid brass ball valves. No leathers, washers or suckers, no castings to rust, no leaking joints, nothing to get out of order. Warranted to



purchaser for 5 years. Two nozzles, "regular," interchangeable. No. 1 attached to No. 2 throws a spray 28 feet. No. 2 throws a solid stream 50 to 60 feet; No. 1 attached direct to pump throws a coarser spray 35 feet. \$4.00 each.



THE "LOWELL" FOUNTAIN COMPRESSED AIR SPRAYER.

Acknowledged King of Sprayers for the Farmer, Fruit Grower, Stockman, Florist and user of general Liquid Disinfectants and Poisons.

Made of Galvanized Steel. Pump, Automatic Valve and Valve Fittings, Filler Plug and Collar of Brass.

Each machine is tested to 60 pounds pressure and made to withstand three times the test.

One pumping will expel the entire contents of tank and is sufficient to spray 2,000 plants.

Spraying nozzle may be reversed to spray under side of bushes and plants.

The Automatic Thumb Lever Valve shuts off instantly and is at all times under complete control of operator, hence none of the solution is wasted,

thereby saving its cost in making a given amount of compound do so much more work.

An adjustable shoulder strap and tree attachment with suitable couplings for tree spraying is furnished with each machine.

The vine attachment, consisting of a brass tube curved at proper angle, with fittings for spraying under the leaves of low plants and running vines, will be furnished at 50c extra.

Capacity 3 gallons. Aluminum finish. Write for descriptive circulars. Price, \$5.00 each.

THE "LOWELL" BLOW POWDER SPRAYER.

Is made to meet the demand from those preferring Dry Powder to Liquid solutions and is so constructed with its double screen arrangement that it is absolutely impossible for the machine to clog. It is fitted with a ball valve which is positive in its action, preventing any powder being drawn back into the pump—thus insuring at all times a perfect working machine. Adapted to Paris Green, Slug Shot, Lice Powder and all Dry Powder Disinfectants and poisons.

We cannot recommend this dust or powder sprayer too highly. For dusting poultry houses, we do not believe it has an equal. It is economy to use this sprayer, as one saves so much pow-



der by its use. It is almost indispensable for dusting potatoes, cabbage plants, squash and melon vines, also for rose bush and shrubs. The powder can holds one quart, and the entire sprayer has an aluminum finish, giving it an attractive appearance. Price, 75c.

Do not overlook the preparations listed on the following page, for the destruction of harmful insects and fungoid diseases. These are so prepared as to enable the small grower of fruits and plants to use it in small quantities with the greatest economy. All these preparations are the very best we can secure for the special purpose for which they are intended. The applications are so simple that anyone can use them safely. Formulas for spraying for all kinds of insects and diseases sent free where requests are made.

INSECTICIDES

Slug Shot.—A non-poisonous powder and a very popular insecticide. It requires no further mixing or preparation, easily applied and not injurious or dangerous to animals, the person applying it, or fruits and vegetables treated. Destroys potato bugs, beetles, green and black fly, slugs, caterpillars, worms, etc. 1 lb. perforated top carton, 10c; 5-lb. package, 30c; 25 lbs., \$1.25.



Bordeaux Mixture.—In pulp, ready for immediate use by dilution with water, working freely without clogging in any spraying machine. The uniformity of its consistence permits of very fine spray, and consequent large economical distribution of a small quantity evenly over a large area of surface. It sticks effectively. The great prominence given to Bordeaux Mixture for use against all manner of plant diseases has caused a demand for it in convenient form for use. To prepare Bordeaux Mixture is troublesome, and to make a perfect chemical precipitate requires skill and facilities. An indispensable Fungicide, curing and preventing black rot, mildew, blight, rust, scab and all fungoid diseases on fruits and plants. For use on potatoes, tomatoes, grapes, apples, pears, roses, add 1 gallon to 24 gallons of water; for peaches, plums or cherries, add 1 gallon to 50 gallons of water. Shake the package before pouring out. Should be kept in a cool place. Price, 1 qt., 40c.

Hammond's Copper Solution.—A Concentrated Liquid Fungicide prepared ready for immediate use on trees, vines or vegetable

plants affected with rot, blight or scab, and can be used with safety to the foliage by di-



luting at the rate of 1 part solution to 100 parts water. The various plant diseases to which it is applicable are rot of the grape, mildew of the grape, potato blight, tomato blight, black spot on the rose, and various other diseases. Excellent for blight on melon and squash vines. Price, per qt., 50c.

Kerosene Emulsion.—Prepared according to the most improved formula; ready for use by simply adding water (25 to 50 parts water to one of Emulsion). For cabbage worm, scale on trees, caterpillars, melon louse, rose bugs, green fly and lice of all kinds, all sucking insects, either on plants or animals. Price, 1 qt., 40c.

Hammond's Grape Dust.—Will destroy mildew, blight, etc., on grapes, gooseberries, also on blooming plants such as chrysanthemums, roses and violets. Will destroy the aphid and black fly. Applied with bellows. The Lowell Dust Blower does the work effectually and economically. Price, 5-lb. pkg., 50c.

PRACTICAL BOOKS

Artificial Incubating and Brooding, 96 pages, paper, 50c.

Eggs and Egg Farms, 96 pages, paper, 50c.

Egg Record Account Book, 32 pages, paper, 25c.

Poultry Houses and Fixtures, 96 pages, 50c.

Poultry Manual, paper, 25c.

Poultry Architecture, 126 pages, cloth, 50c.

Reliable Poultry Remedies, 84 pages, paper, 25c.

Successful Poultry Keeping, 176 pages, paper, \$1.00.

The Chick Book, 80 pages, 50c.

Amateur Fruit Growing, S. B. Green, paper, 25c.

Our Farm of Four Acres, paper, 30c.

Onions, How to Raise Them Profitably, paper, 20c.

Strawberry Culture, M. Crawford, paper, 25c.

Vegetable Gardening, S. B. Green, paper, 50; postage, 5c.

Asparagus, F. M. Hexamer, cloth, 50c; postage 5c.

Celery Culture, W. R. Beattie, cloth 50c; postage 5c.

Cabbage and Cauliflower, C. L. Allen, cloth, 50c; postage, 5c.

Garden Making, L. H. Bailey, cloth, 70c; postage, 8c.

Horticulturist's Rule Book, L. H. Bailey, cloth, 75c; postage, 8c.

Hints and Helps to Young Gardeners, Hemenway, cloth, 35c; postage, 3c.

New Onion Culture, T. Greiner, cloth, 50c; postage, 5c.

Practical Fruit Grower, S. T. Maynard, cloth, 50c; postage, 5c.

Sweet Potato Culture, James Fitz, cloth, 50c; postage, 5c.

Tomato Culture, W. W. Tracy, cloth, 50c; postage, 5c.

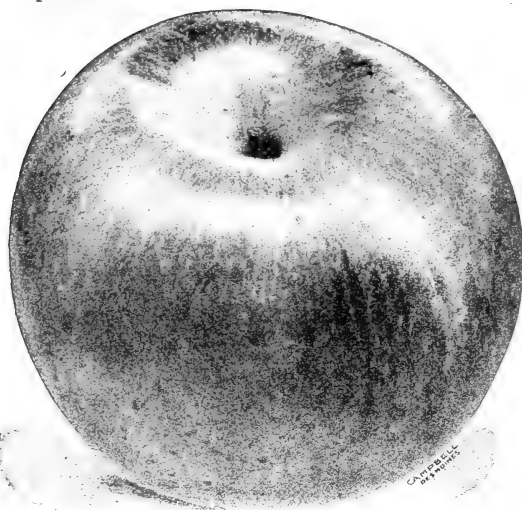
Vegetable Gardening, S. B. Green, cloth, \$1.00; postage, 5c.

Strawberry Culturist, A. S. Fuller, cloth, 25c; postage, 3c.

NURSERY STOCK *and* SHADE TREES

NURSERY STOCK.

We are prepared to furnish fruit trees and plants of the standard varieties at a most reasonable price. Our trees are all No. 1, standard stock and will give satisfaction. If you want to purchase a large lot, send us your list, and we will make you special prices. All sent by freight or express at purchaser's expense.



WEALTHY

APPLES.

Early Varieties.

Yellow Transparent
Red June
Duchess
Benoni

Wealthy
Jonathan
Greening
Ben Davis
Talman Sweet
Roman Stem
Patten's Greening

Crab Apples.

Transcendent
Whitney No. 20
Hyslop

Prices on apples and crabs, each, 30c; doz., \$3.00, not prepaid.

PEACHES.

Bailey
Crosby
Elberta
Fitzgerald
Champion
Each, 40c; doz., \$3.60.

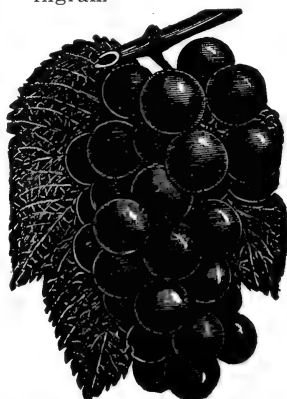
Bartlett
Flemish Beauty
Each, 50c; doz., \$4.00.

Autumn Varieties.

Maiden's Blush
Dyer
Fameuse or Snow
Sweet Swaar

Winter Varieties.

Grimes Golden
Northwestern
Genitan
Ingram



MOORE'S EARLY

PEARS.

Kieffer
Seckel

PLUMS.

Desoto
Miner
Each, 50c; doz., \$4.00.

CHERRIES.

Early Richmond
Wragg
Montmorency

GRAPES.

	Each	Doz.
Moore's Early, black, very early....	.15	\$1.00
Worden, black, very productive....	.15	1.00
Concord, black, old standard.....	.10	.90

	Each	Doz.
Agawam, reddish brown.....	.15	\$1.00
Brighton, dark red.....	.15	1.00
Woodruff, red.....	.20	2.00
Niagara, white.....	.15	1.00
Pocklington, golden yellow.....	.15	1.00

CURRENTS.

Pomona; Fay's Prolific. White Grape.—Each, 10c; doz., \$1.00.

GOOSEBERRIES.

Industry, Pearl and Josselyn.—Each, 25c; doz., \$2.25.

BLACKBERRIES.

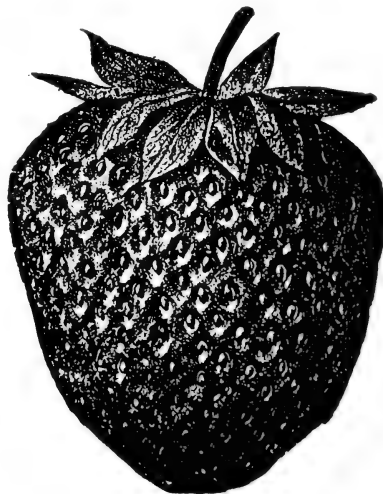
SnyderDoz., 50c; 100, \$1.75
ErieDoz., 60c; 100, 2.25

RASPBERRIES.

Cardinal, large purple, doz., 75c; 100, \$2.50.
Haymaker, red, doz., \$1.00; 100, \$3.00.
Cumberland, black, doz., 60c; 100, \$2.00.
Gregg, black, doz., 50c; 100, \$1.75.
Kansas, black, doz., 50c; 100, \$1.75.

STRAWBERRIES.

Brandywine	Clyde
Wm. Belt	Gandy
New Home	Bederwood
Senator Dunlap	Warfield
Aroma	



BRANDYWINE

Price, doz., postpaid, 30c; 100, 90c; 100, by express, 65c; 1,000, \$4.50. Ask for prices on large lots. Plants are first class.

COLLECTIONS.

100 each of any three of above varieties for

\$1.90, by express.

100 each of any seven varieties for \$3.90, by express.

Strawberry plants are nicely done up in packages of 25 each.

SHADE AND ORNAMENTAL TREES.

	Each	Per 10
Carolina Poplar, 4 to 6 ft.....	\$.25	\$2.25
“ “ 6 to 8 ft.....	.35	3.25
“ “ 10 to 12 ft.....	.75	6.00
Cut Leaf Weeping Birch, 4 to 5 ft. 1.00		7.50
“ “ “ 6 to 8 ft. 1.50		12.00
Maple, Silver Leaf, 6 to 8 ft.....	.50	4.00
“ “ “ 8 to 10 ft.....	.60	5.50
Mountain Ash, 6 to 8 ft.....	.50	4.50

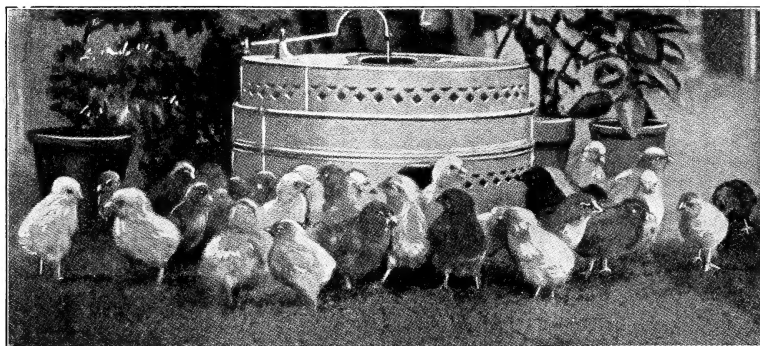
Ask for prices on large quantities. We can interest you.

EVERGREENS.

	Each	Per 10
Arbor Vitae, American, 12 to 18 inch	\$.25	\$2.00
Arbor Vitae, American, 24 to 36 inch .....	.60	5.00
Scotch Pine, 12 to 18 inch.....	.25	2.00
“ “ 24 to 36 inch.....	.60	5.00
Norway Spruce, 12 to 18 inch.....	.35	3.00
“ “ 24 to 36 inch.....	.75	8.00

Purchaser pays freight or express charges at above prices.

POULTRY SUPPLIES



Our line of poultry supplies is quite complete. Call and see us or send in your order, which will be looked after very carefully. While this list is not complete, you will find it contains the most necessary remedies and supplies for the poultry raiser. Write for our descriptive catalog.

Conkey's Lice Powder, 15 oz., 25c; 48 oz., 50c; 100 oz., \$1.00.

Conkey's Lice Liquid, 1 qt. can, 35c; 2 qt., 60c; 4 qt., \$1.00.

Conkey's Fly Knocker, 1 qt. can., 35c; 2 qt., 60c; 4 qt., \$1.00.

Conkey's Noxicide, 1 pt., 35c; 1 qt., 60c.

Conkey's Roup Cure, Small 25c; Medium, 50c; Large, \$1.00.

Conkey's Cholera Cure, Small, 25c; Medium, 50c.

Conkey's Head Lice Ointment, Small, 10c;

Conkey's Poultry Tonic, pkg., 25c.

Conkey's Bronchitis Remedy, pkg., 50c.

Conkey's Chicken Pox Remedy, 50c.

Conkey's Limber Neck Remedy, 50c.

Conkey's Scaly Leg Remedy, 50c.

Conkey's Gape Cure, 50c.

Conkey's Laying Tonic, 1½ lbs., 25c; 3¼ lbs., 50c; 7 lbs., \$1.00.

Hess' Lice Powder, can, 1½ lbs., 25c; 5 lbs., 60c; 12 lbs., \$1.25.

Hess' Panacea, Small, 25c; Medium, 60c; Large, \$1.25.

Hess' Stock Food, 7 lbs., 50c.

Lee's Lice Killer, 1 qt., 35c; 2 qts., 60c; 4 qts., \$1.00.

Lee's Lice Powder, 25c.

Lee's Germozone, per bottle, 50c.

Lee's Egg Maker, 2½ lb. pkg., 25c; 5½ lbs., 50c.

Lee's Flyo Curo, qt. can, 35c.

Alfalfa Clover Meal, 25 lbs., 60c; 100 lbs., \$2.00.

Crushed Poultry Shell, 100 lbs., 75c.

Beef Scraps for Poultry, 50 lbs., \$1.75; 100 lbs., \$3.25.

Charcoal, either chick or fowl size, 5 lbs., 25c; 10 lbs., 40c; 25 lbs., 85c; 50 lbs., \$1.60.

Pearl Grit, 25 lbs., 35c; 100 lbs., 85c.

Raw Bone Meal, 10 lbs., 50c; 25 lbs., \$1.00; 100 lbs., \$2.75.

Crushed Raw Bone, 10 lbs., 50c; 25 lbs., \$1.00; 100 lbs., \$2.75.

Double Clinch Leg Bands, 12, 20c; 25, 30c; 100, 65c.

Leader Adjustable, 12, 20c; 25, 30c; 100, 65c.

Petty's Poultry Punch, each, 25c.

Perfection Non-Freezing Fountain, 2 gal. size, \$2.50.

Automatic Non-Freezing Fountain, 3 gal., 2 cups, \$3.50.

Sanitary Stoneware Detachable Fountain, qt., 20c; 2 qts., 25c; 4 qts., 35c; 8 qts., 50c.

Davis' Food and Water Fountain, each, 25c.

Henfriend Water Fountain, Chick size, 25c; Medium size, 35c; Large, 50c.

Lightning Whitewash and Spraying Pump, each, \$1.90.

Faultless Insect Sprayer, Tin, 50c; Brass, \$1.00.

Little Giant Brass Pump, \$3.75.

Schild's Lightning Lice Killer No. 2, \$3.00.

Davis' Anti-Louse Roost Brackets, Single, per pair, 75c; Double, per pair, \$1.25.

Eyrie Egg Box, 15-egg size, per doz., \$1.25; 30-egg size, \$1.90.

Anderson Egg Box, 15-egg size, doz., \$1.10; 30-egg size, \$1.60; 50-egg size, \$2.50.

Climax Baskets, 10 for 50c; 25, 90c; 100, \$3.25.

Galvanized Iron Grit and Shell Boxes, Small, 3 compartments, 50c; Large, 2 compartments, 75c.

Headlight Egg Testers, with lamp, each, \$1.75.

Egg Testers, common, each, 25c.

Humphrey's Green Bone Cutter, \$12.00.

Antiseptic Nest Eggs, each, 5c; doz., 45c.

Glass Nest Eggs, each, 5c; doz., 35c.

Cycle Hatcher, 50-egg size, \$5.00.

Brooder Hatcher, 50-egg size, \$7.50.

Philo Fireless Brooder, \$2.50.

Model Incubators, 150-egg size, \$22.00; 250-egg, \$31.00; 360-egg, \$37.00.

Model Colony Outdoor Brooder, \$15.00.

Model Single Indoor Brooder, \$10.00.

Mandy Lee Incubators, 100 eggs, \$15.00; 140 eggs, \$20.00; 280 eggs, \$30.00.

Mandy Lee Fireless Brooder, \$5.00.

Mandy Lee Brooder, \$12.00.

Incubator Thermometers, each, 65c.

Brooder Thermometers, each, 40c.

Hawkeye Shipping Coops, each, 35c, 40c, 45c and 50c.

Exhibition Coops, 24x28x20 inches, \$1.75; 24x28x40, \$2.50; 24x28x48, \$3.00.

Poultry Netting, Climax Brand, per roll of 150 feet, 2-inch mesh, 12 in., 90c; 36 in., \$2.70; 48 in., \$3.60; 60 in., \$4.50: 1-inch mesh, 12 in., \$2.00; 24 in., \$4.00.

Champion Chick Feed, 50 lbs., \$1.35; 100 lbs., \$2.50.

Champion Scratching Feed, 50 lbs., \$1.25; 100 lbs., \$2.25.

Spratt's Patent Chick Meal, 10 lbs., 75c; 25 lbs., \$1.75; 100 lbs., \$6.00.

Caponizing Sets, each, \$2.50.

Medicated Charcoal, 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.25.

INDEX

VEGETABLE SEEDS.

Asparagus	1
Beans	1
Beets	2
Brussels Sprouts	3
Borecole	3
Cabbage	3
Cauliflower	4
Carrot	4
Celery	4
Cucumber	5
Corn, Sweet	5
Corn, Pop	6
Egg Plant	6
Endive	6
Herbs	16
Kohl Rabi	6
Kale	3
Lettuce	6
Mustard	6
Mushroom Spawn	7
Melon, Musk	7
Melon, Water	6
Onion	8
Onion Sets	15
Okra	15
Parsnip	9
Parsley	9
Pumpkin	11
Pepper	11
Peanuts	11
Peas	10
Potatoes	23
Radish	12
Rutabaga	15
Salsify	13
Spinach	13
Squash	13
Tobacco	15
Tomato	13
Turnip	15
Vegetable Plants	16

FLOWER SEEDS.

Achillea	25
Aceratum	24
Abronia	24
Alyssum	24
Amaranthus	24

Antirrhinum	24
Aster	25
Bachelor's Button	26
Balsam	25
Caliopis	26
Calendula	26
California Poppy	26
Cacalia	26
Candytuft	26
Canna	26
Carnation	27
Castor Bean	27
Campanula	26
Clarkia	26
Coreopsis	26
Cockscomb	26
Cosmos	26
Cucumber, Wild	27
Cypress Vine	27
Digitalis	27
Daisies	27
Delphiniums	27
Dianthus	27
Escholtzia	27
Forget-Me-Not	27
Four O'Clock	28
Gaillardia	27
Golden Rod	28
Gourds	28
Heliotrope	28
Hibiscus	28
Hollyhock	28
Hyacinth Bean	28
Humulus Japonica	28
Ice Plant	28
Lantana	28
Lavender	28
Lemon Verbena	24
Linum	28
Lobelia	28
Marvel of Peru	28
Mignonette	28
Marigold	28
Moonflower	28
Morning Glory	29
Myosotis	28
Nasturtium	27
Nicotiana	29

Nigella	29
Ornamental Grasses	29
Pansy	30
Petunia	29
Poppy	30
Phlox	29
Portulacca	30
Ricinus	27
Salvia	31
Scabioso	31
Snapdragon	24
Sunflower	31
Sweet Peas	31
Verbena	32
Sweet William	32
Zinnia	32

BULBS, PLANTS AND SHRUBS.

Asparagus Plumosus	33
Berberry, Purple Leaf	37
Boston Ivy	37
Bedding Plants	37
Boltonia	36
Clematis	38
Cannas	33
Caladium	40
Coreopsis	36
Carnation	33-34
Chrysanthemum	34
Dutchman's Pipe	38
Deutzia	38
Delphinium	36
Digitalis	36
Daisy, Shasta	37
Dahlia	39
Elder	38
Ferns	34
Forsythia	38
Geranium	34
Gaillardia	36
Gladiolus	40
Hardy Hedges	37-38
Hollyhock	36
Honeysuckle	38
Iris	36
Japan Quince	38
Lilac	38
Moonflower	35

Peonies	37
Privet	33
Poppies	37
Roses	35
Snowball	38
Spiraea	38
Syringa	38
Tamarix	38
Tuberoses	40
Weigelia	38
Wisteria	38

FARM SEEDS.

Buckwheat	19
Broom Corn	20
Barley	21
Cane	19
Corn	17
Dwarf Essex Rape	20
Field Peas	19
Grass Seeds	22
Kafir Corn	19
Millet	23
Oats	21
Potatoes	23
Rape	20
Rye	20
Speltz	19
Soy Beans	20
Sunflower	20
Wheat	20

MISCELLANEOUS.

Books	43
Garden Tools	41
Fruit Growers' Supplies	16
Horseradish	16
Lawn Grass	32
Lawn Fertilizer	32
Nursery Stock	46
Onion Sets	15
Pruning Shears	16
Poultry Supplies	47
Rhubarb Roots	16
Spraying Pumps	44
Vegetable Plants	16
Grass Seeders	42
Mole Traps	42
Insecticides	43

Cut Flower Department

We carry a full line of cut flowers in season. Nothing can cheer the heart of a sad one, give new hope to the sick and carry messages of love to dear ones as the flower. We have fresh home-grown flowers each day and solicit your orders when wanting anything in this line. If undecided about selecting, an idea may be given of the special manner in which the flowers are to be used and amount you care to expend, leaving the selection with us.

Per Dozen Prices are Given Except Where Noted.

	Nov. to April (except holidays) also Easter	Holidays Dec. 20 to Jan. 5	April to October inclusive, except Easter
ROSES. Pink sorts, as Bridesmaid, and others	\$1.50 to \$3.00	\$3.00 to \$5.00	\$1.00, \$1.50 and \$2.00
Red Sorts, as Meteor and Liberty	1.50 to 3.00	3.00 to 5.00	1.00, 1.25 and 1.50
White Sorts, as Bride, Kaiserin, etc.	1.50 to 3.00	3.00 to 5.00	1.50, 2.00 and 3.00
American Beauty, and large show sorts	4.00 to 8.00	12.00 to 24.00	2.00, 4.00 and 6.00
Assorted kinds, our choice in special quality	2.00 to 3.00	3.00 to 5.00	1.00, 1.50 and 2.00
Above class in good reliable quality	1.00 to 2.00	2.00 to 4.00	.75 to 1.00
CARNATIONS. White, Red, Pink, etc., extra grades .....	.60 to 1.00	1.00 to 1.50	.40 to .60
Above class in good reliable grades .....	.40 to .60	.60 to 1.00	.30 to .40
Fancy kinds, usually of extra quality	1.00 to 1.50	1.50 to 2.00	.60 to 1.00

Violets.—Bunch of 50; Dec., Jan. and Easter, \$1.50; Holidays, \$2.00; Feb., Mch., April, excepting Easter, 75c to \$1.00.

Lilies.—Easter kinds, and Callas, Dec. to May, inclusive; each, 25c; per doz., \$2.50 to \$3.00.

Chrysanthemums.—Oct., Nov. and Dec.; selected, \$1.00 to \$3.00; specimen flowers, 25c to 50c each.

Tulips and Hyacinths.—Feb. to May, inclusive. Assorted colors, 75c to \$1.00.

Daffodils and Narcissus.—White and yellow; Feb. to May; 75c to \$1.00.

Lily of the Valley Sprays.—75c to \$1.00.

Roman Hyacinths.—White; Nov. to May; 75c to \$1.00.

Funeral Designs

We also make designs for funerals such as wreaths, crosses, pillows, broken wheels, harps, etc. These we are able to make at any time and solicit your orders. Prices from \$2.00 up, according to kind of design, size, and flowers used.

SHEAVES.

Sheaves are very nice for funerals, especially for elderly people. According to size, \$1.00, \$1.50 and \$2.00 each.

BRIDE'S BOUQUETS AND WEDDING FLOWERS.

We carried off First Prize at the State Fair on Bride's Bouquet the only time we ever entered for competition, and feel sure that we can make others that will be just as pleasing. Let us have your order and we promise to please. Ask for prices stating about what you want, shower or plain bouquets, etc.



Home Vegetable Garden Collection

Evergreen Sweet Corn, Pkt.	\$.05
Scarlet Globe Radish	.05
Livingston's Coreless Tomato, Pkt.	.10
Hoodoo Muskmelon, Pkt.	.10
Satatagem Pea, Pkt.	.05
Golden Wax Bean, Pkt.	.05
Early Jersey Lima Bean, Pkt.	.05
Market Gardener's Beet, Pkt.	.05

\$.50

Collection of Above Eight
Packets Postpaid for **35c**